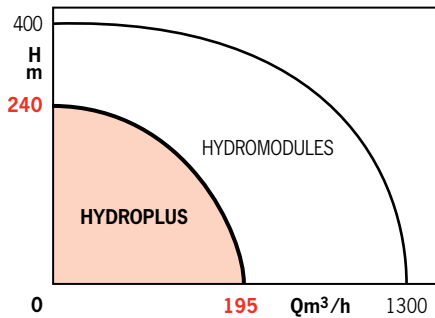


## OPERATING LIMITS

Flow rates up to:	<b>195 m<sup>3</sup>/h</b>
Head up to:	<b>240 m CE</b>
Max. operating pressure:	<b>16 &amp; 25 bar</b>
Max. water temperature:	H/V <b>70°C</b> VS <b>50°C</b>
Max. ambient temperature:	<b>40°C</b>
ND of threaded manifolds:	<b>G2, G3</b>
ND of flanged manifolds:	<b>ND 80 to 150</b>



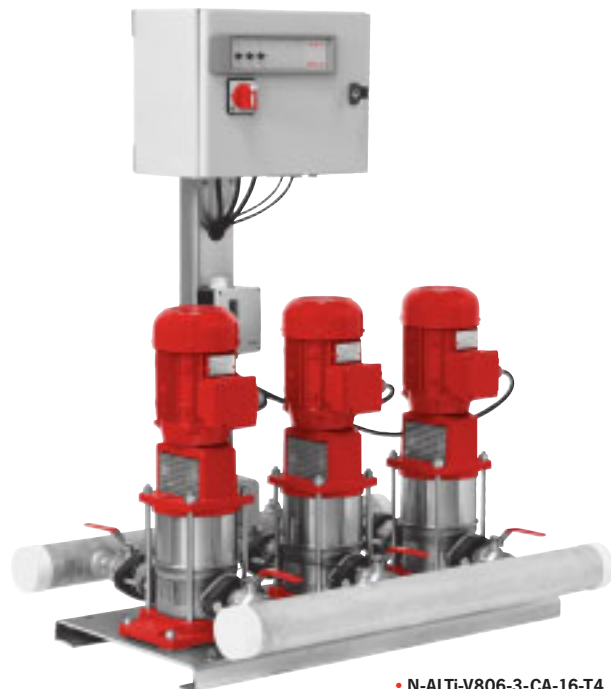
- N-ALTI-VS...
- Wet rotor technology
- Silent-operation booster from 38 to 58 dB(A)



• N-ALTI-VS405-3-CE-16-T4



• N-ALTI-H803-2-T4



• N-ALTI-V806-3-CA-16-T4

# HYDROPLUS

## BOOSTERS

Range of boosters fitted  
with MULTI-V or MULTI-H pumps:  
Commercial and industrial use  
2 pole - 50 Hz

## APPLICATIONS

Pressurizing and maintaining pressure of  
water distribution networks with insufficient  
or non existent pressure, in:

- housing, office projects,
- private residences,

- hotels, hospitals, clinics,
- shopping centres, shops,
- schools, high-schools, universities, barracks,
- industrial and farm buildings,
- irrigation, spraying...

# HYDROPLUS

## ADVANTAGES

- Compact modules, factory preset and ready to install.
- Small ground space.
- Easy to install: 2 hydraulic connections and one electrical connection.
- Control and protection functions grouped in the cabinet assuring integral automatic operation.
- N-ALTi 2/4/8/16 range non-return valve fitted with interchangeable cartridge. Easy to maintain.
- Stainless steel hydraulic system: reliable corrosion resistance and longer life.
- Base protected by an electrolytic treatment ensuring excellent resistance to saline mist.

## DESIGN

### ALTi-H. ALTi-V. ALTi-VS range

Compact boosters, specifically designed for direct or standard booster systems equipped with:

- Two or three MULTi-V or MULTi-H pumps, having predetermined hydraulic characteristics.
- Two suction-discharge pipes made of stainless: connections may be to the right or left side as desired.
- Discharge and suction valves for each pump.
- Silent-operation non-return discharge valve for each pump fitted with interchangeable cartridges on the N-ALTi 2/4/8/16 range.
- An automatic pump control pressure switch (CA-CV).
- A pressure transmitter (CV).
- A dry-running pressure switch (town water network version).
- A dry-running float switch (version for

storage tank).

- A pressure gauge.
- A support and attachment frame (dampers for ALTi-H version).
- Lifting rings or holes for lifting bars.
- A regulation box available in three configurations:

CA: electromechanical with API (Automate Programmable)

CE: electronic

CV: variable speed control.

### OPTION

- ELiNOX-V/H Version: 316 stainless steel version .
- Boosters with 4 or more pumps, jockey pumps, ...

## BOOSTER IDENTIFICATION - HYDROPLUS

N-ALTi-H  
N-ALTi-V  
N-ALTi-VS  
N-ELiNOX-H  
N-ELiNOX-V

1804

21

3

2

11

2

CA

CE

CV

V

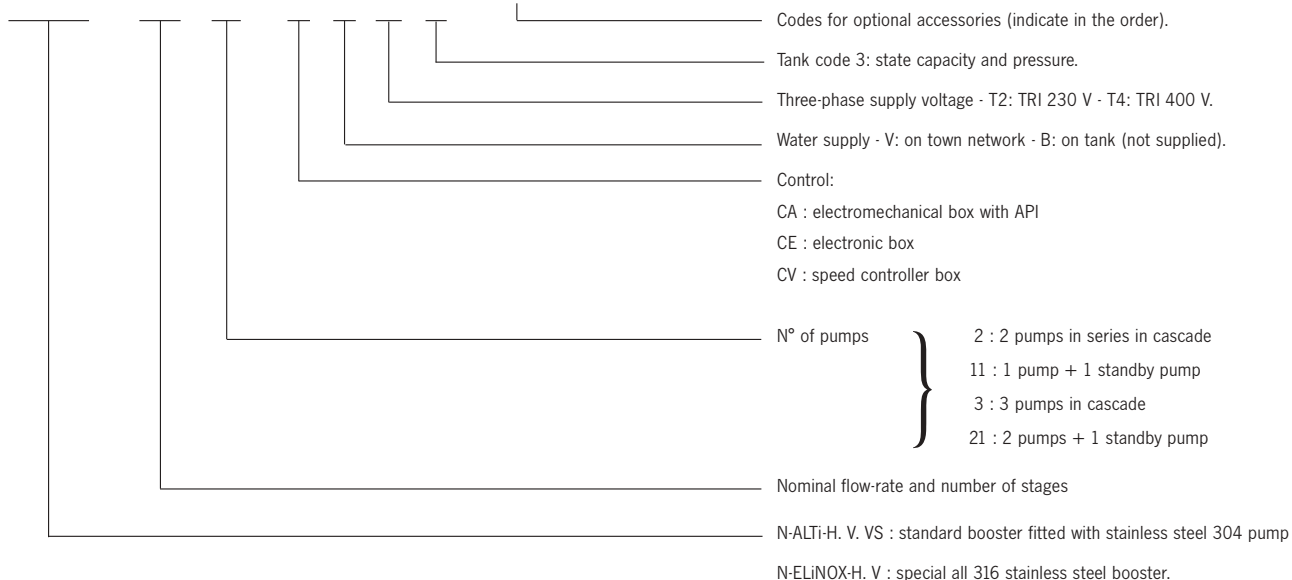
B

T2

T4

3

D (regulator)  
BP (by-pass)  
M (sleeves)  
V (isolating valves)  
CB (counter flanges)



## SUPPLIES

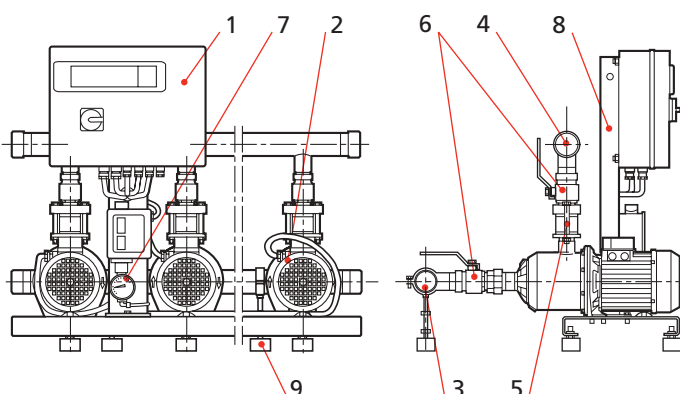
Components	N-ALTi-H		N-ALTi-V		N-ALTi-VS	
	2 pumps	3 pumps	2 pumps	3 pumps	2 pumps	3 pumps
Pumps <b>MULTI-H</b>	2	3	—	—	—	—
Pumps <b>MULTI-V</b>	—	—	2	3	—	—
Pumps <b>MULTI-VS</b>	—	—	—	—	2	3
<b>Valves</b>	4	6	4	6	4	6
<b>Non return valves</b>	2	3	2	3	2	3
<b>Stainless steel manifolds</b>	2	2	2	2	2	2
<b>Pressure switch (CA.CE) - Transmitter (CV)</b>	1	1	1	1	1	1
<b>Dry running protection</b>	<b>Pressure switch (for V version)</b>	1	1	1	1	1
	<b>Float (for B version)</b>					
<b>Pressure gauge</b>	1	1	1	1	1	1
<b>Controller box</b>	1	1	1	1	1	1
<b>Damping pads</b>	4	4	—	—	—	—
<b>Base plate</b>	1	1	1	1	1	1

Standards and specifications:

- Machines Directive 98/37/CE.
- Electromagnetic compatibility Directive 89/336/CEEmod.
- Low Voltage Directive: 73/23/CEEmod.
- CEI 60364 (NFC 15-100) (Electrical).
- EN 61800-3 (Adjustable speed electrical power drive systems).
- EN 809 – Pumps and motor-pump units for liquids.
- EN 61000-6 – 1 & 3 or EN 61000-6 2 & 4 (Immunity / Emission).
- EN 60204-1 (Machines safety).
- EN 60034-1 (Rotating electrical machines).
- EN 60439-1 (Electric and electronic box).

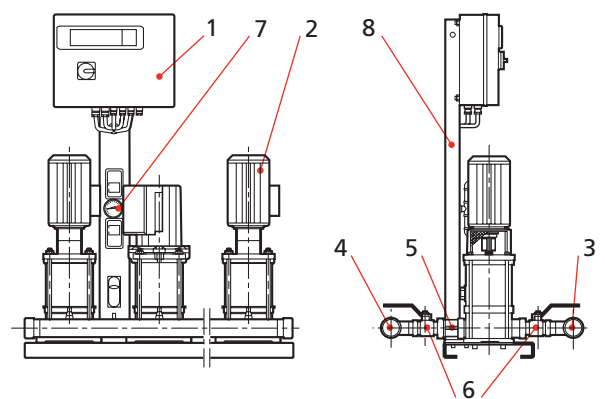
## BOOSTER DESCRIPTION

### • N-ALTi-H



- 1 - Controller box
- 2 - Pumps (Type MULTI-H, MULTI-V or MULTI-VS)
- 3 - Suction manifold
- 4 - Discharge manifold
- 5 - Non return valve

### • N-ALTi-V / N-ALTi-VS

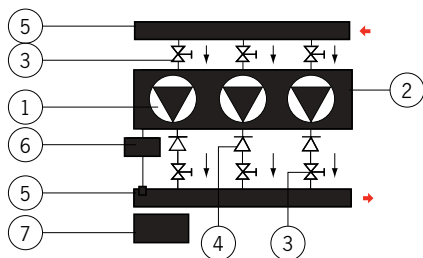


- 6 - Isolating valves
- 7 - Pressure gauge
- 8 - Sensor
- 9 - Damping pads (for N-ALTi-H)

# HYDROPLUS

## SUPPLIES

Example with a 3-pump Hydroplus.  
Same representation with a 2-pump Hydroplus.

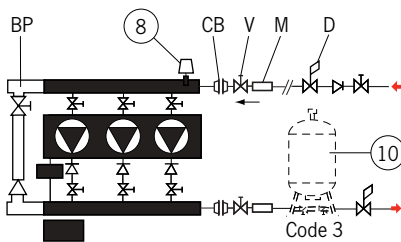


### STANDARD SUPPLIES (1 to 9) :

- 1 - Two or three multistage pumps.
- 2 - Support frame.
- 3 - Cutoff valves at pump suction and discharge.
- 4 - Check valve at pump discharge.
- 5 - Suction-discharge manifolds.
- 6 - Pressure transmitter.
- 7 - Control and protection panel.

### "V" VERSION

FROM THE PUBLIC WATER SYSTEM



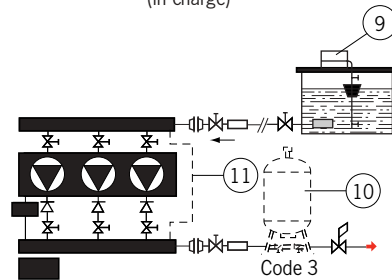
### COMPULSORY SUPPLIES:

(according to the booster's water supply).

- 8 - Dry running protection pressure switch, supplied fitted, booster supplied with city water (included in the price), or
- 9 - Float switch, supplied not fitted, booster supplied on charged tank (included in the price).
- 10 - CODE 3 bladder vessel, 100 to 2000 liter, specify operating pressure and capacity (option priced separately).
- 11 - Balance piping for suction tank.

### "B" VERSION

FROM A STORAGE TANK  
(in charge)



### OPTIONAL SUPPLIES:

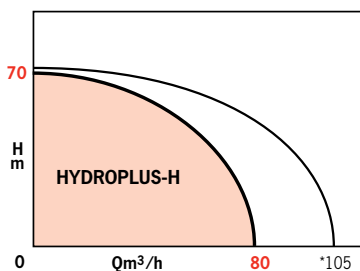
(options priced separately).

- BP - Direct water supply bypass when the public water system pressure is insufficient. (comes fitted if ordered).
- M - Anti-vibration sleeves (supplied by 2).
- CB - Counterflanges to be screwed or welded onto the manifolds (supplied by 2).
- D - Pressure regulator-stabilizer for suction and/or discharge.
- V - Isolating valves.

NB: when a bypass and an suction pressure regulator are fitted onto the booster, we recommend fitting the pressure regulator between the bypass and the booster.

## OPERATING LIMITS

### • N-ALTi-H 2,4,8,16



Flow rates up to: 3 pumps version **80 m³/h**  
4 pumps version **\*105 m³/h**

Max. head: **70m (NP10)**

Max. operating pressure: **10 bar**

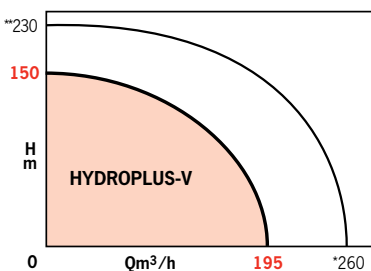
Max. inlet pressure: **4 bar**

Max. water temperature: ALTi-H **70°C**

Max. ambient temperature: **40°C**

ND of threaded manifolds: **G2, G2<sup>1/2</sup>**

### • N-ALTi-V 2,4,8,16,18,36,60



Flow rates up to: 3 pumps version **195 m³/h**  
4 pumps version **\*260 m³/h**

Max. head: **150m (NP16) - \*\*230m (NP25)**

Max. operating pressure: **25 bar**

Max. inlet pressure: **10 bar**

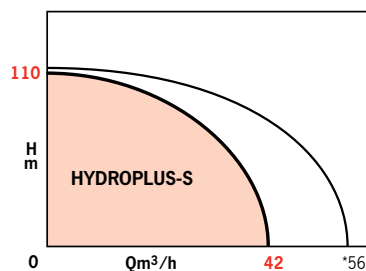
Max. water temperature: ALTi-V **70°C**

Max. ambient temperature: **40°C**

ND of threaded manifolds: **G2, G2<sup>1/2</sup>**

ND of flanged manifolds: **DN 80 to 150**

### • N-ALTi-VS 2,4,8



Flow rates up to: 3 pumps version **42 m³/h**  
4 pumps version **\*56 m³/h**

Max. head: **110m (NP16)**

Max. operating pressure: **16 bar**

Max. inlet pressure: **6 bar**

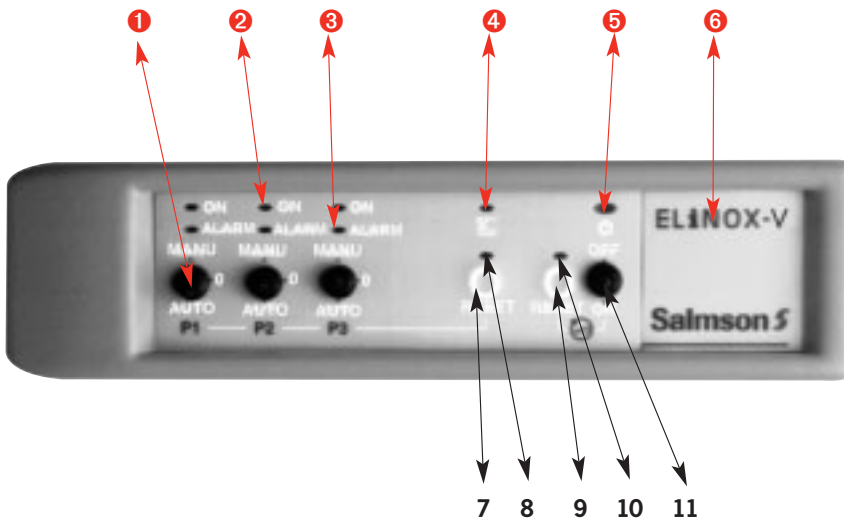
Max. water temperature: ALTi-VS **50°C**

Max. ambient temperature: **40°C**

ND of threaded manifolds: **G2, G2<sup>1/2</sup>**

NB: An ALTi-VS should be installed on a public water supply or flooded on a storage tank with a water height > 0.5 m above the pump.

## CONTROL AND REGULATION: A STANDARDISED PANEL



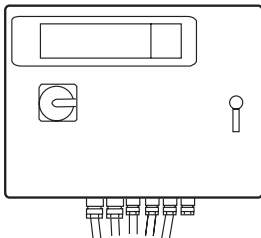
CONTROL PANEL COMMON TO THE THREE UNITS WITH:

- ❶ – Switch per pump: automatic start/stop/forced start (transient).
- ❷ – Indicator: on per pump.
- ❸ – Indicator: pump fault per pump.
- ❹ – Indicator: dry running
- ❺ – Indicator: module powered up.
- ❻ – Booster type.

SPEED VARIATION CHARACTERISTICS

- 7 – Embossed key: varied pump rearming.
- 8 – Indicator: varied pump fault.
- 9 – Embossed key: rearm, variable speed controller.
- 10 – Indicator: variable speed controller fault.
- 11 – Switch: variable speed controller.

## ELECTROMECHANICAL BOX WITH PLC (CA) : DESCRIPTION AND OPERATION



Complies with NF C15-100 and CE standards in force  
– Leaktightness: protection index IP 54.

### Power supply:

Three-phase: 230/400V (50 Hz)  
220 /380 V (60 Hz option)  
Single-phase: (optional)  
230 V (50 Hz)  
220/240 V (60 Hz)

**DESCRIPTION:** (2 or 3 pumps).

### Front panel:

- Control and display panel.
- Safety and mains power rotary switch.

### Inside:

- Magneto-thermal circuit breakers with motor intensity adjustment switch (and reset button) for pump(s).
- Pump contactors with motor connection terminals.
- Safety switch controlled from the outside via lockable handle.
- 24-230 V safety transformer.
- Control power supply protection fuses.
- External control unit connection terminal strip (pressure switch, float switch, remote control, etc).
- Programmable controller.

### OPERATION

The pumps are operated by a neutral range pressure switch (low pressure and high pressure).  
On detection of a low pressure, a first timer "T1M" is activated. If after "T1M" the pressure remains low, the pump "P1" is activated and a timer "T2M". After "T2M", the pump "P2" is activated and a timer "T3M" in a 3 pump version. After "T3M", the pump "P3" is activated.

If the flow rate is adequate (between low pressure and high pressure levels) none of the pumps are started up.  
If the high pressure level is reached, the timers "T1A", "T2A" and "T3A" are activated to stop the pumps in the same way in which they are started.  
If the flow rate is adequate, the pumps in operation are not stopped.  
When the last pump has stopped, a cyclical change-over takes place when the pumps start up again.  
After dry running has been detected, a "TME-ON" timer is activated and the pumps are stopped when the time elapses.  
Restarting is only permitted once the water has returned to an adequate level and a second "TME-OFF" timer has run out.  
If there is a fault in one of the pumps, the machine automatically switches to one of the remaining valid pumps.

### NB

On all booster models (2 and 3 pumps) the pump starting order after stopping is permuted.

# HYDROPLUS

## ELECTRONIC BOX: DESCRIPTION AND OPERATION

Complies with NF C15-100 and CE standards in force

- Leaktightness: guard index IP 54.

### Power supply

Three-phase: 230/400V (50 Hz)  
220 /380 V (60 Hz-option)

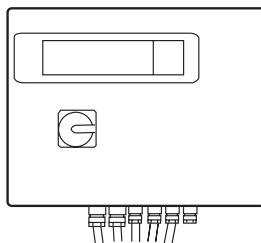
Single-phase: (optional)

230 V (50 Hz)  
220/240 V (60 Hz)

**DESCRIPTIF :** (2 or 3 pumps).

### Front panel:

- Control and display panel.
- Safety and mains power rotary switch.



### Inside:

- Pump protection thermal relay with motor connection terminals.
- Pump contactors.
- Safety switch with power supply network connection terminals.
- 230 or 400 V protection and voltage selection fuse.
- Control unit low voltage power supply 12 V transformer.

- Motor thermal protection potentiometers (max I: 32 A/pump).
- Connectors receiving the indicator light and timer power supply contact pin.
- External control unit connection terminal strip (pressure switch, float switch, remote control, etc).

### OPERATION

Booster operation is assured by two simple pressure switches, in the 2-pump version and by a neutral range pressure switch in the 3 or more pump version. Otherwise, the operating principle is the same as for the electromechanical unit. The automatic system and connection block can accept a remote control unit.

## VARIABLE SPEED BOX : DESCRIPTION AND OPERATION

Complies with NF C15-100 and CE standards in force

- Leaktightness: guard index IP 559.

### Power supply

Three-phase: 230/400V (50 Hz)  
220 /380 V (60 Hz-option)

Single phase: (optional)

230 V (50 Hz)  
220/240 V (60 Hz)

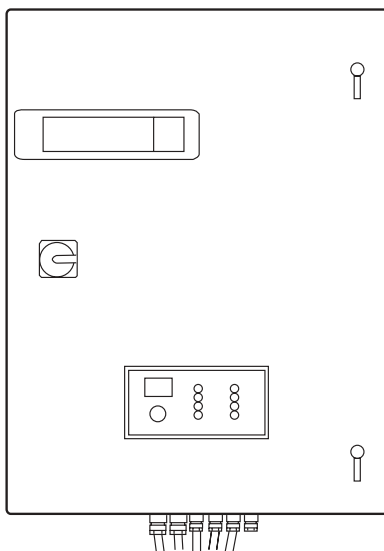
**DESCRIPTION:** (one varied pump and one or two fixed pumps).

### Front panel:

- Control and display panel.
- Regulator panel.
- Key-operated lock.
- Safety and mains power rotary switch.

### Inside:

- Magneto-thermal circuit breaker with motor intensity adjusting switch (and reset button) for fixed pump(s).
- Contactor (one per pump).
- 24 V safety transformer.
- Electrical connection terminal strip.
- Main disconnect switch controlled from the outside via lockable handle.
- Pump start and stop timer (adjustable).
- Last pump hold-in timer (adjustable).
- Change-over clock.
- Set of HPC three-pole circuit breakers.
- External control unit connection terminal strip (pressure switch, float switch, remote control, etc).
- Relay module.
- Speed variator.



### OPERATION

The pressure transmitter records the pressure in the discharge line and sends signals to the regulator. If the pressure becomes lower than the set-point value, the regulator signals the variable speed controller to increase the speed of the controlled or “varied” pump.

- If the varied pump reaches its maximum speed of rotation whilst the pressure is still too low, the regulator starts pump “P2” at a fixed speed; the speed of “P1” is adjusted to keep the chosen set-point value. If the accumulated flow-rate of “P1” and “P2” is not enough, “P3” (3-pump HYDROPLUS) is started in the same way.
- If the pressure gets too high, the regulator adjusts “P1” to the minimum chosen speed and if the pressure is still too high, it stops the last fixed-speed pump that was turned on.
- Then “P1” is put back at its maximum speed before being reduced to the minimum speed, then the last but one fixed-speed pump is stopped (if necessary) and so on until the set-point value is reached.

### NB:

On all booster models (2 and 3 pumps) the pump starting order after stopping is permuted.

## ELECTRICAL DATA

### To 2900 RPM

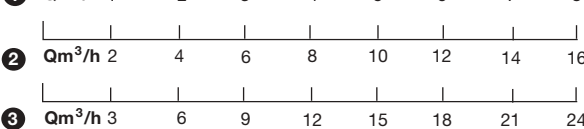
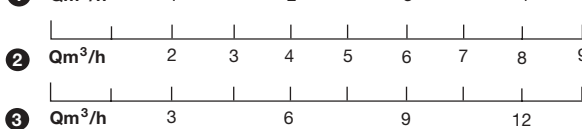
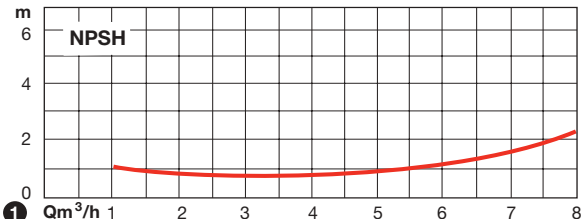
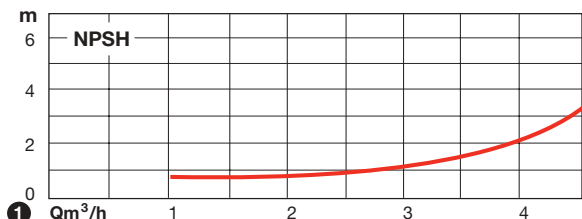
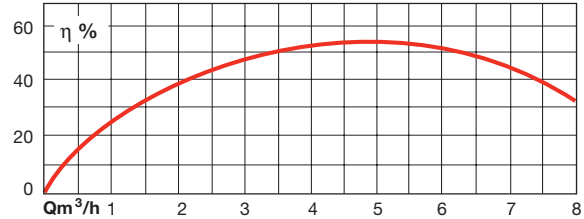
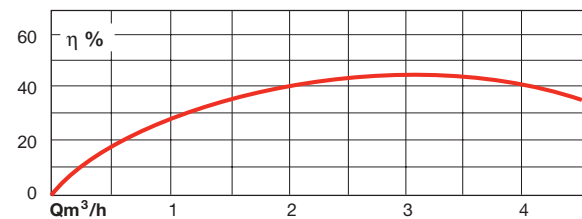
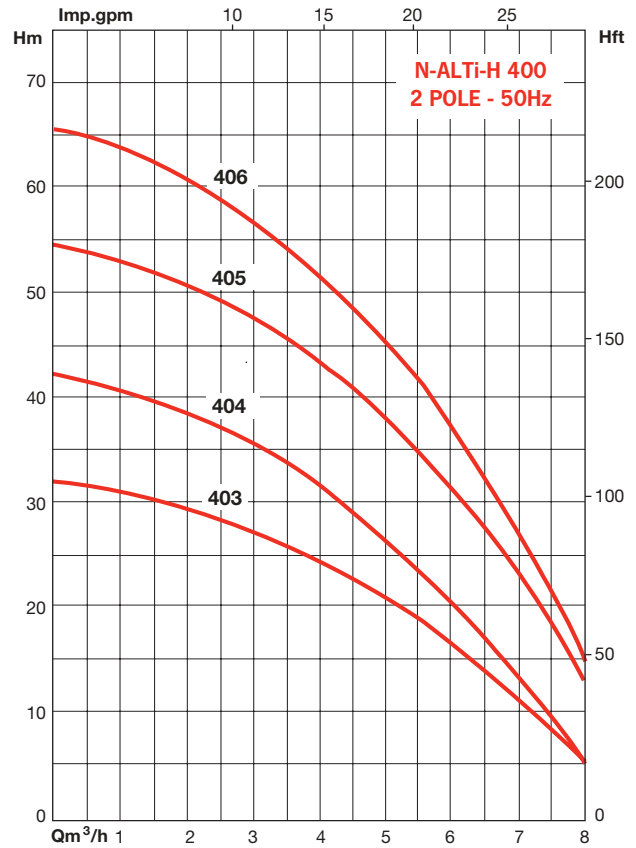
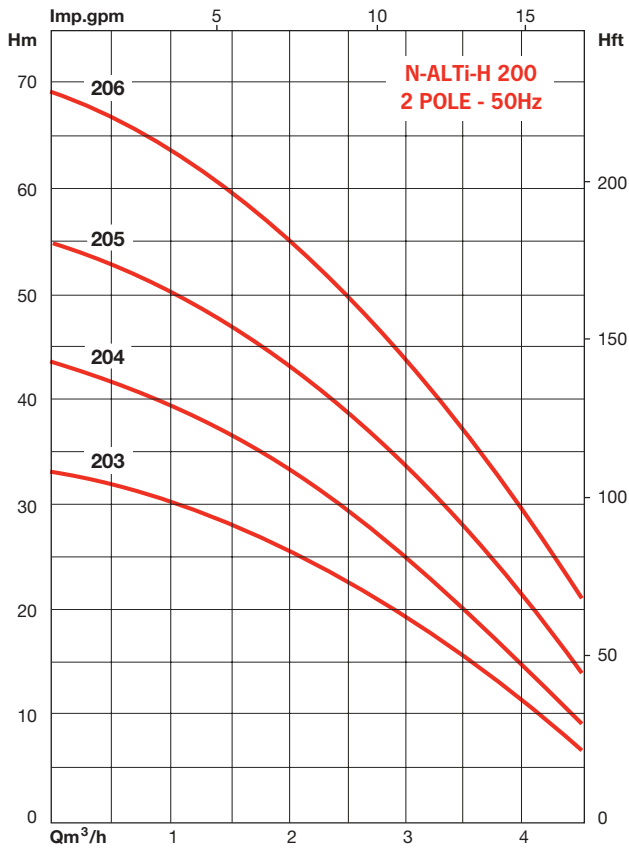
TYPE	P2 Total installed motor power in kW	Max. service pressure	Voltage	Total current
<b>2 PUMPS - Box CA. CE or CV - City or Tank</b>				
N-ALTI-H203-2...T4	2x 0.55	10 bar	400V-3~50 Hz	3.4A
N-ALTI-H204-2...T4	2x 0.55	10 bar	400V-3~50 Hz	3.4A
N-ALTI-H205-2...T4	2x 0.75	10 bar	400V-3~50 Hz	4.2A
N-ALTI-H206-2...T4	2x 1.1	10 bar	400V-3~50 Hz	6.2A
N-ALTI-H403-2...T4	2x 0.55	10 bar	400V-3~50 Hz	3.4A
N-ALTI-H404-2...T4	2x 0.75	10 bar	400V-3~50 Hz	4.2A
N-ALTI-H405-2...T4	2x 1.1	10 bar	400V-3~50 Hz	6.2A
N-ALTI-H406-2...T4	2x 1.5	10 bar	400V-3~50 Hz	7.6A
N-ALTI-H803-2...T4	2x 1.1	10 bar	400V-3~50 Hz	6.2A
N-ALTI-H804-2...T4	2x 1.5	10 bar	400V-3~50 Hz	7.6A
N-ALTI-H805-2...T4	2x 1.85	10 bar	400V-3~50 Hz	9.9A
N-ALTI-H1602-2...T4	2x 1.5	10 bar	400V-3~50 Hz	7.6A
N-ALTI-H1603-2...T4	2x 1.85	10 bar	400V-3~50 Hz	9.9A
N-ALTI-H1604-2...T4	2x 2.5	10 bar	400V-3~50 Hz	11.7A
<b>3 PUMPS - Box CA. CE or CV - City or Tank</b>				
N-ALTI-H203-3...T4	3x 0.55	10 bar	400V-3~50 Hz	5.1A
N-ALTI-H204-3...T4	3x 0.55	10 bar	400V-3~50 Hz	5.1A
N-ALTI-H205-3...T4	3x 0.75	10 bar	400V-3~50 Hz	6.3A
N-ALTI-H206-3...T4	3x 1.1	10 bar	400V-3~50 Hz	9.3A
N-ALTI-H403-3...T4	3x 0.55	10 bar	400V-3~50 Hz	5.1A
N-ALTI-H404-3...T4	3x 0.75	10 bar	400V-3~50 Hz	6.3A
N-ALTI-H405-3...T4	3x 1.1	10 bar	400V-3~50 Hz	9.3A
N-ALTI-H406-3...T4	3x 1.5	10 bar	400V-3~50 Hz	11.4A
N-ALTI-H803-3...T4	3x 1.1	10 bar	400V-3~50 Hz	9.3A
N-ALTI-H804-3...T4	3x 1.5	10 bar	400V-3~50 Hz	11.4A
N-ALTI-H805-3...T4	2x 1.85	10 bar	400V-3~50 Hz	14.9A
N-ALTI-H1602-3...T4	3x 1.5	10 bar	400V-3~50 Hz	11.4A
N-ALTI-H1603-3...T4	3x 1.85	10 bar	400V-3~50 Hz	14.9A
N-ALTI-H1604-3...T4	3x 2.5	10 bar	400V-3~50 Hz	17.6A

TYPE	P2 Total installed motor power in kW	Max. service pressure	Voltage	Total current 2 pumps	Total current 3 pumps
<b>2 or 3 PUMPS - Box CA. CE or CV - City or Tank</b>					
N-ALTI-V203-2 or 3 pumps...T4	2 or 3x 0.55	16 bar	400V-3~50 Hz	2.7A	3.9A
N-ALTI-V204-2 or 3 pumps...T4	2 or 3x 0.75	16 bar	400V-3~50 Hz	3.4A	5.0A
N-ALTI-V205-2 or 3 pumps...T4	2 or 3x 0.75	16 bar	400V-3~50 Hz	3.4A	5.0A
N-ALTI-V206-2 or 3 pumps...T4	2 or 3x 1.1	16 bar	400V-3~50 Hz	4.8A	7.2A
N-ALTI-V207-2 or 3 pumps...T4	2 or 3x 1.1	16 bar	400V-3~50 Hz	4.8A	7.2A
N-ALTI-V208-2 or 3 pumps...T4	2 or 3x 1.5	16 bar	400V-3~50 Hz	6.4A	9.6A
N-ALTI-V210-2 or 3 pumps...T4	2 or 3x 1.5	16 bar	400V-3~50 Hz	6.4A	9.6A
N-ALTI-V212-2 or 3 pumps...T4	2 or 3x 1.85	16 bar	400V-3~50 Hz	8.0A	11.7A
N-ALTI-V403-2 or 3 pumps...T4	2 or 3x 0.75	16 bar	400V-3~50 Hz	3.4A	5.0A
N-ALTI-V404-2 or 3 pumps...T4	2 or 3x 1.1	16 bar	400V-3~50 Hz	4.8A	7.2A
N-ALTI-V405-2 or 3 pumps...T4	2 or 3x 1.1	16 bar	400V-3~50 Hz	4.8A	7.2A
N-ALTI-V406-2 or 3 pumps...T4	2 or 3x 1.5	16 bar	400V-3~50 Hz	6.4A	9.6A
N-ALTI-V407-2 or 3 pumps...T4	2 or 3x 1.5	16 bar	400V-3~50 Hz	6.4A	9.6A
N-ALTI-V408-2 or 3 pumps...T4	2 or 3x 1.85	16 bar	400V-3~50 Hz	8.0A	11.7A
N-ALTI-V410-2 or 3 pumps...T4	2 or 3x 2.2	16 bar	400V-3~50 Hz	8.8A	13.2A
N-ALTI-V412-2 or 3 pumps...T4	2 or 3x 3	16 bar	400V-3~50 Hz	12.6A	18.9A
N-ALTI-V803-2 or 3 pumps...T4	2 or 3x 1.1	16 bar	400V-3~50 Hz	4.8A	7.2A
N-ALTI-V804-2 or 3 pumps...T4	2 or 3x 1.5	16 bar	400V-3~50 Hz	6.4A	9.6A
N-ALTI-V805-2 or 3 pumps...T4	2 or 3x 1.85	16 bar	400V-3~50 Hz	7.8A	11.7A
N-ALTI-V806-2 or 3 pumps...T4	2 or 3x 2.2	16 bar	400V-3~50 Hz	8.8A	13.2A
N-ALTI-V807-2 or 3 pumps...T4	2 or 3x 3	16 bar	400V-3~50 Hz	12.6A	18.9A
N-ALTI-V808-2 or 3 pumps...T4	2 or 3x 3	16 bar	400V-3~50 Hz	12.6A	18.9A
N-ALTI-V810-2 or 3 pumps...T4	2 or 3x 3.7	16 bar	400V-3~50 Hz	15.6A	23.4A
N-ALTI-V811-2 or 3 pumps...T4	2 or 3x 4	16 bar	400V-3~50 Hz	16.8A	25.2A
N-ALTI-V812-2 or 3 pumps...T4	2 or 3x 5.5	16 bar	400V-3~50 Hz	21.6A	31.5A
N-ALTI-V1603-2 or 3 pumps...T4	2 or 3x 2.2	16 bar	400V-3~50 Hz	8.8A	13.2A
N-ALTI-V1604-2 or 3 pumps...T4	2 or 3x 3	16 bar	400V-3~50 Hz	12.6A	18.9A
N-ALTI-V1605-2 or 3 pumps...T4	2 or 3x 3.7	16 bar	400V-3~50 Hz	15.6A	23.4A
N-ALTI-V1606-2 or 3 pumps...T4	2 or 3x 4	16 bar	400V-3~50 Hz	16.8A	25.2A
N-ALTI-V1607-2 or 3 pumps...T4	2 or 3x 5.5	16 bar	400V-3~50 Hz	21.6A	32.4A
N-ALTI-V1608-2 or 3 pumps...T4	2 or 3x 5.5	16 bar	400V-3~50 Hz	21.6A	32.4A
N-ALTI-V1609-2 or 3 pumps...T4	2 or 3x 7.5	16 bar	400V-3~50 Hz	28.6A	42.9A
N-ALTI-V1610-2 or 3 pumps...T4	2 or 3x 7.5	16 bar	400V-3~50 Hz	28.6A	42.9A
N-ALTI-V1802-2 or 3 pumps...T4	2 or 3x 2.2	16 bar	400V-3~50 Hz	8.8A	13.2A
N-ALTI-V1803-2 or 3 pumps...T4	2 or 3x 3	16 bar	400V-3~50 Hz	12.6A	18.9A
N-ALTI-V1804-2 or 3 pumps...T4	2 or 3x 4	16 bar	400V-3~50 Hz	16.8A	25.2A
N-ALTI-V1805-2 or 3 pumps...T4	2 or 3x 5.5	16 bar	400V-3~50 Hz	21A	31.5A
N-ALTI-V1806-2 or 3 pumps...T4	2 or 3x 5.5	16 bar	400V-3~50 Hz	21A	31.5A
N-ALTI-V1807-2 or 3 pumps...T4	2 or 3x 7.5	16 bar	400V-3~50 Hz	28.6A	42.9A
N-ALTI-V1808-2 or 3 pumps...T4	2 or 3x 7.5	16 bar	400V-3~50 Hz	28.6A	42.9A
N-ALTI-V3602-2 or 3 pumps...T4	2 or 3x 4	16 bar	400V-3~50 Hz	16.8A	25.2A
N-ALTI-V3603-2 or 3 pumps...T4	2 or 3x 5.5	16 bar	400V-3~50 Hz	21A	31.5A
N-ALTI-V3604-2 or 3 pumps...T4	2 or 3x 7.5	16 bar	400V-3~50 Hz	28.6A	42.9A
N-ALTI-V3605-2 or 3 pumps...T4	2 or 3x 9	16 bar	400V-3~50 Hz	34A	51A
N-ALTI-V3606-2 or 3 pumps...T4	2 or 3x 11	16 bar	400V-3~50 Hz	40A	60A
N-ALTI-V3607-2 or 3 pumps...T4	2 or 3x 15	16 bar	400V-3~50 Hz	53A	79.5A
N-ALTI-V6002-2 or 3 pumps...T4	2 or 3x 5.5	16 bar	400V-3~50 Hz	21A	31.5A
N-ALTI-V6003-2 or 3 pumps...T4	2 or 3x 7.5	16 bar	400V-3~50 Hz	28.6A	42.9A
N-ALTI-V6004-2 or 3 pumps...T4	2 or 3x 11	16 bar	400V-3~50 Hz	40A	60A
N-ALTI-V6005-2 or 3 pumps...T4	2 or 3x 15	16 bar	400V-3~50 Hz	53A	79.5A
N-ALTI-V6006-2 or 3 pumps...T4	2 or 3x 15	16 bar	400V-3~50 Hz	53A	79.5A
N-ALTI-V6007-2 or 3 pumps...T4	2 or 3x 18.5	16 bar	400V-3~50 Hz	66A	99A

TYPE	P1 Total installed motor power in kW	Max. service pressure	Voltage	Total current at TRI 230V	Total current at TRI 400V
<b>2 PUMPS - Box CA. CE or CV - City or Tank</b>					
N-ALTI-VS202-2 or 3 pumps...T4	2 or 3x 0.51	16 bar	400V-3~50 Hz	2 or 3x 2.1A	2 or 3x 1.2A
N-ALTI-VS203-2 or 3 pumps...T4	2 or 3x 0.72	16 bar	400V-3~50 Hz	2 or 3x 2.6A	2 or 3x 1.5A
N-ALTI-VS204-2 or 3 pumps...T4	2 or 3x 0.88	16 bar	400V-3~50 Hz	2 or 3x 3A	2 or 3x 1.7A
N-ALTI-VS205-2 or 3 pumps...T4	2 or 3x 1.2	16 bar	400V-3~50 Hz	2 or 3x 4.51A	2 or 3x 2.6A
N-ALTI-VS206-2 or 3 pumps...T4	2 or 3x 1.38	16 bar	400V-3~50 Hz	2 or 3x 4.9A	2 or 3x 2.8A
N-ALTI-VS207-2 or 3 pumps...T4	2 or 3x 1.53	16 bar	400V-3~50 Hz	2 or 3x 5.2A	2 or 3x 3A
N-ALTI-VS208-2 or 3 pumps...T4	2 or 3x 1.69	16 bar	400V-3~50 Hz	2 or 3x 5.6A	2 or 3x 3.2A
N-ALTI-VS209-2 or 3 pumps...T4	2 or 3x 2.14	16 bar	400V-3~50 Hz	2 or 3x 8A	2 or 3x 4.6A
N-ALTI-VS210-2 or 3 pumps...T4	2 or 3x 2.33	16 bar	400V-3~50 Hz	2 or 3x 8.5A	2 or 3x 4.9A
N-ALTI-VS402-2 or 3 pumps...T4	2 or 3x 0.69	16 bar	400V-3~50 Hz	2 or 3x 2.6A	2 or 3x 1.5A
N-ALTI-VS403-2 or 3 pumps...T4	2 or 3x 1.02	16 bar	400V-3~50 Hz	2 or 3x 4.2A	2 or 3x 2.4A
N-ALTI-VS404-2 or 3 pumps...T4	2 or 3x 1.26	16 bar	400V-3~50 Hz	2 or 3x 4.5A	2 or 3x 2.6A
N-ALTI-VS405-2 or 3 pumps...T4	2 or 3x 1.48	16 bar	400V-3~50 Hz	2 or 3x 5.2A	2 or 3x 3A
N-ALTI-VS406-2 or 3 pumps...T4	2 or 3x 1.7	16 bar	400V-3~50 Hz	2 or 3x 5.6A	2 or 3x 3.2A
N-ALTI-VS407-2 or 3 pumps...T4	2 or 3x 2.2	16 bar	400V-3~50 Hz	2 or 3x 8A	2 or 3x 4.6A
N-ALTI-VS408-2 or 3 pumps...T4	2 or 3x 2.4	16 bar	400V-3~50 Hz	2 or 3x 8.5A	2 or 3x 4.9A
N-ALTI-VS409-2 or 3 pumps...T4	2 or 3x 2.69	16 bar	400V-3~50 Hz	2 or 3x 9.2A	2 or 3x 5.3A
N-ALTI-VS410-2 or 3 pumps...T4	2 or 3x 2.94	16 bar	400V-3~50 Hz	2 or 3x 9.7A	2 or 3x 5.6A
N-ALTI-VS802-2 or 3 pumps...T4	2 or 3x 1.25	16 bar	400V-3~50 Hz	2 or 3x 4.5A	2 or 3x 2.6A
N-ALTI-VS803-2 or 3 pumps...T4	2 or 3x 1.6	16 bar	400V-3~50 Hz	2 or 3x 5.4A	2 or 3x 3.1A
N-ALTI-VS804-2 or 3 pumps...T4	2 or 3x 1.95	16 bar	400V-3~50 Hz	2 or 3x 6.3A	2 or 3x 3.6A
N-ALTI-VS805-2 or 3 pumps...T4	2 or 3x 2.67	16 bar	400V-3~50 Hz	2 or 3x 9.2A	2 or 3x 5.3A
N-ALTI-VS806-2 or 3 pumps...T4	2 or 3x 2.98	16 bar	400V-3~50 Hz	2 or 3x 9.7A	2 or 3x 5.6A

# HYDROPLUS

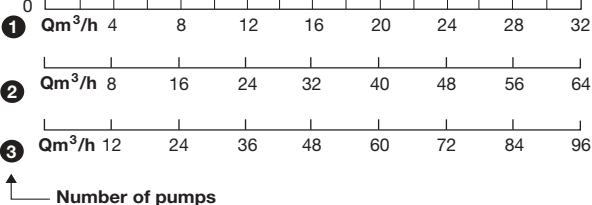
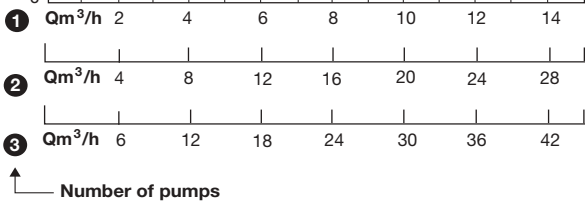
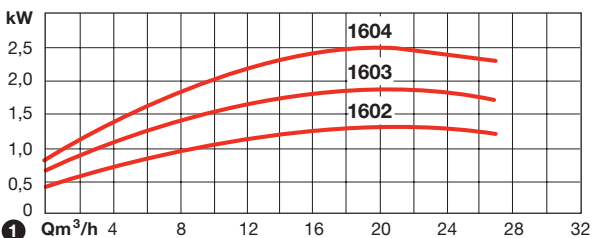
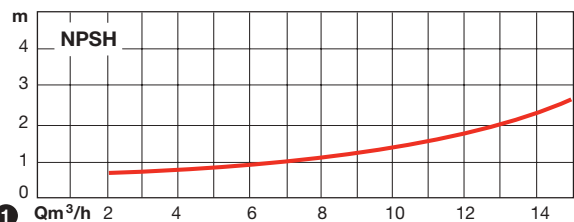
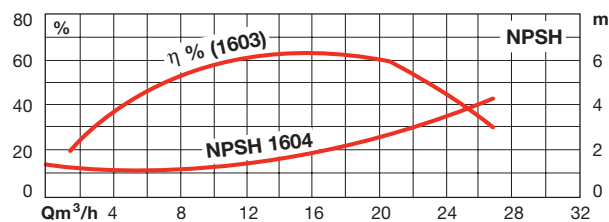
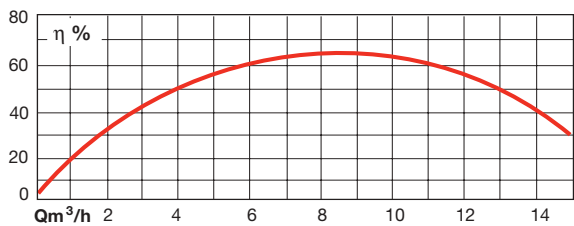
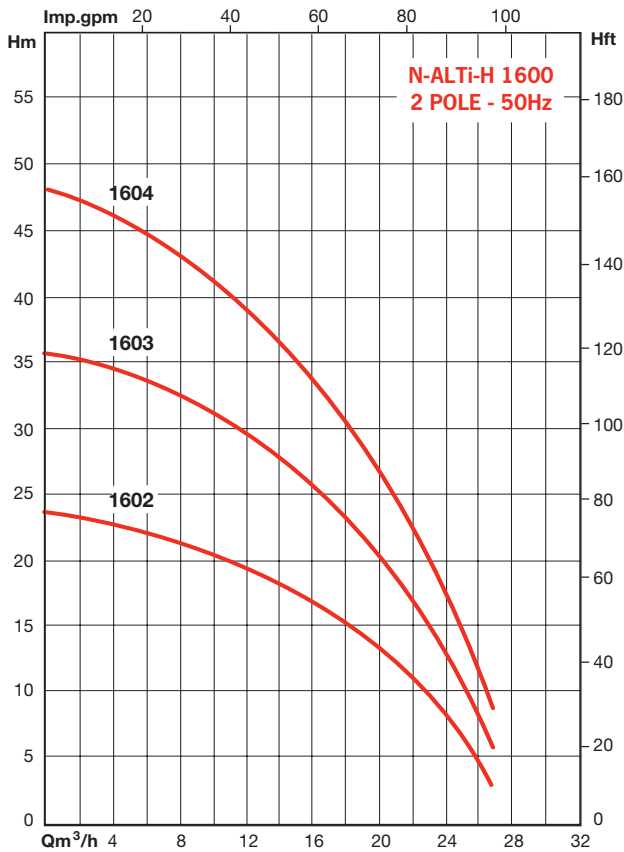
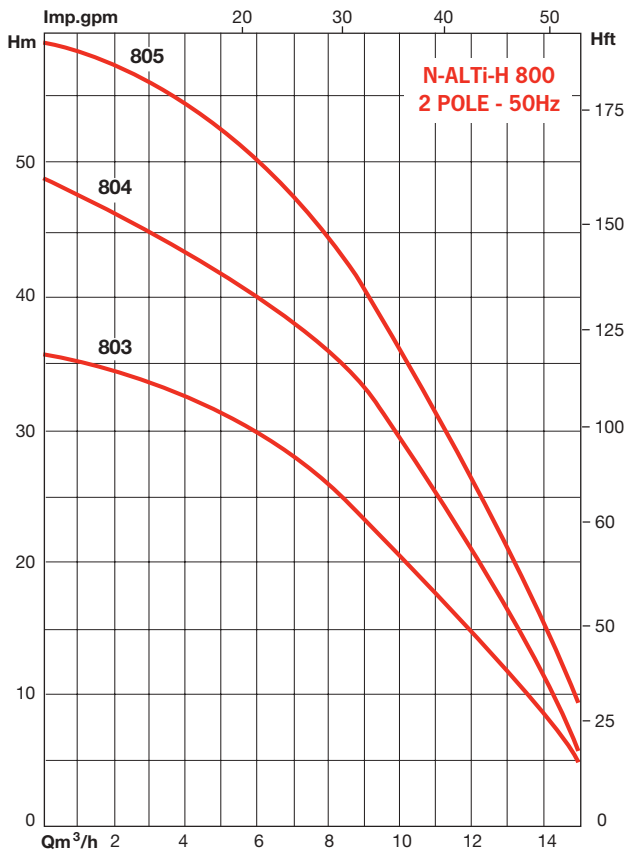
## HYDRAULIC PERFORMANCES - N-ALTi-H - 2900 RPM - 200 AND 400 SERIES



↑ Number of pumps

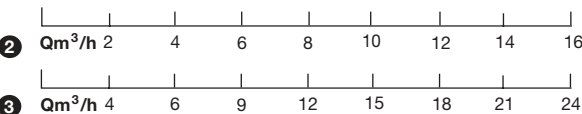
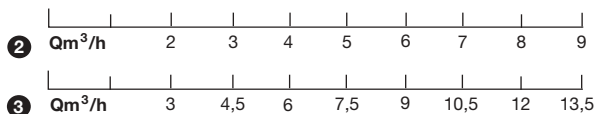
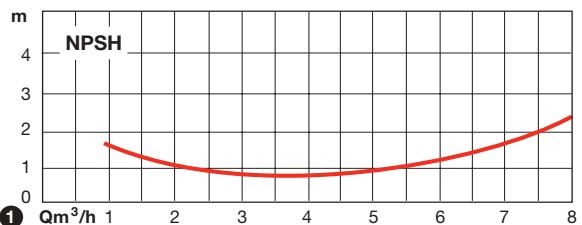
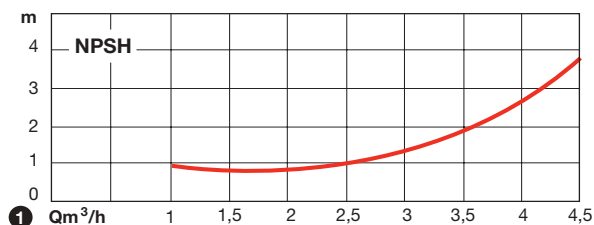
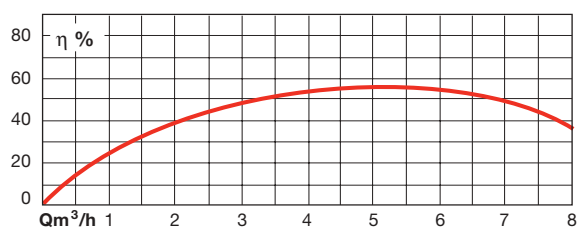
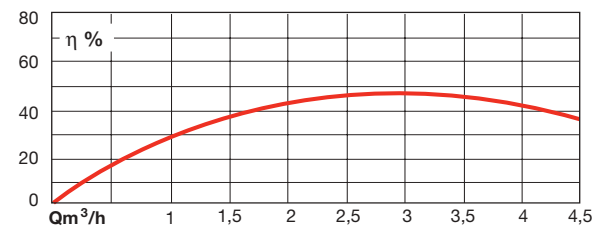
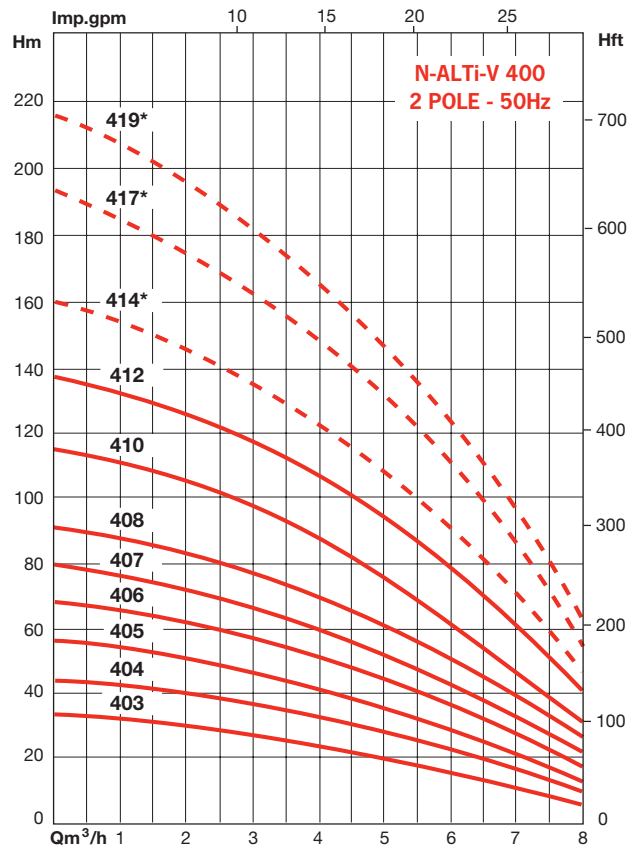
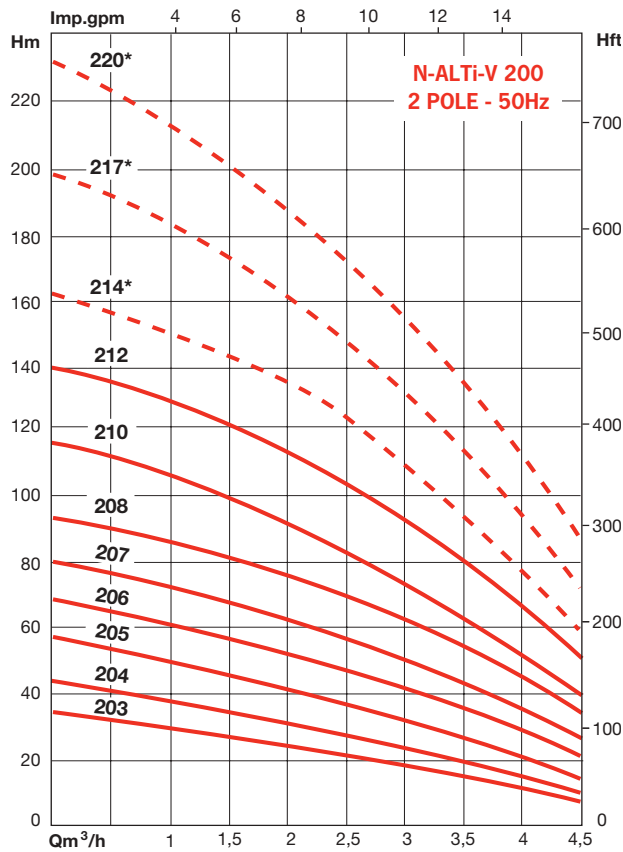
↑ Number of pumps

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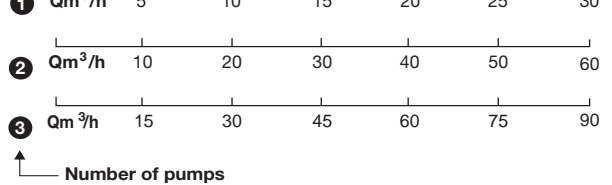
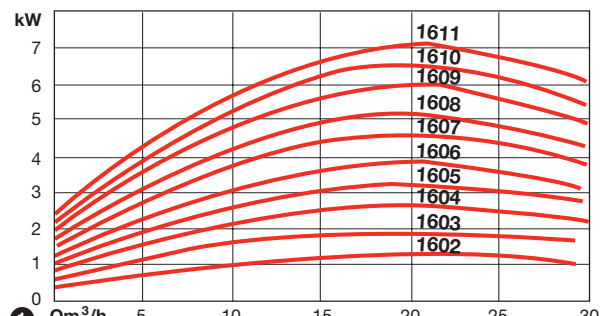
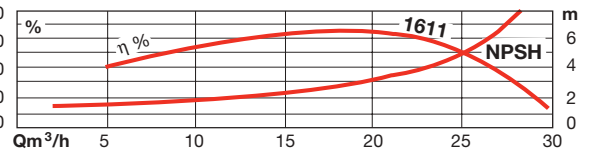
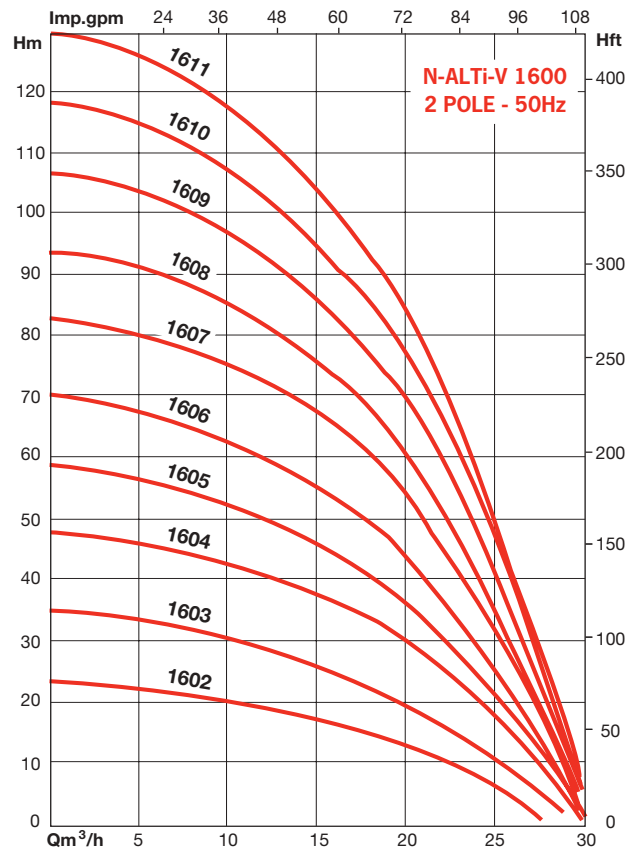
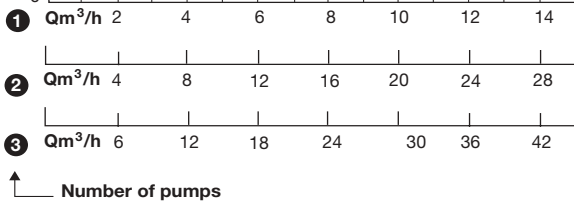
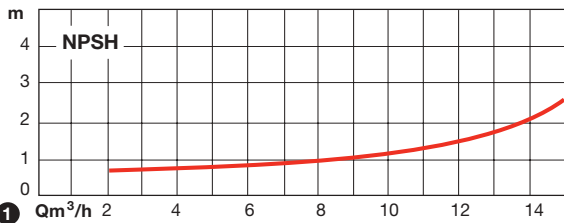
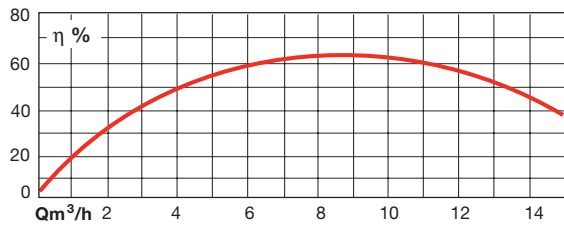
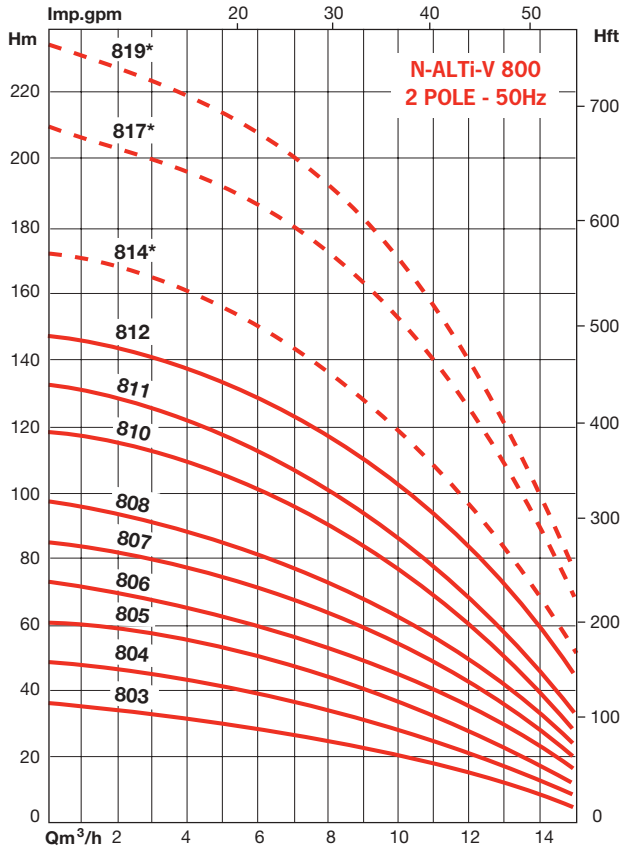


# HYDROPLUS

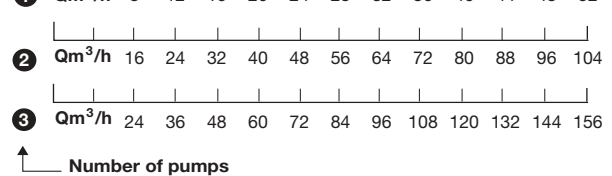
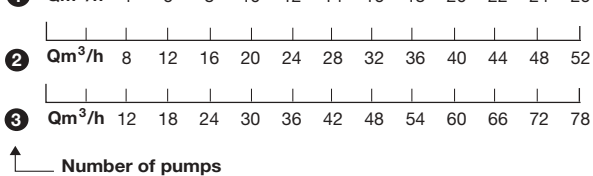
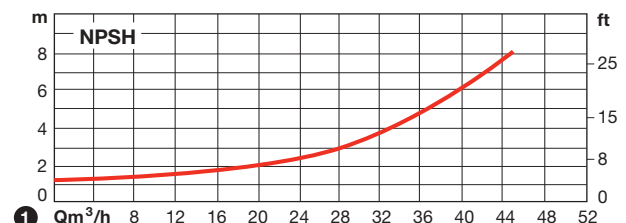
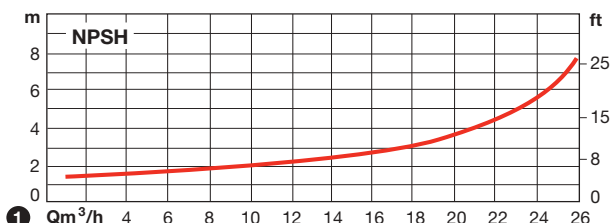
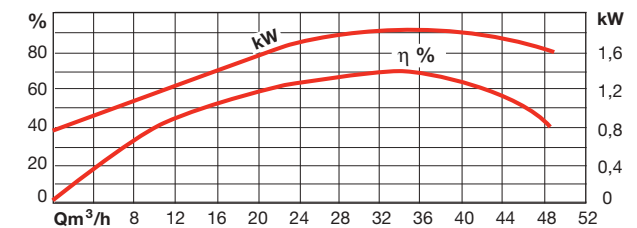
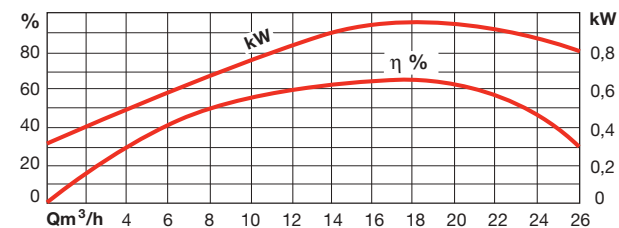
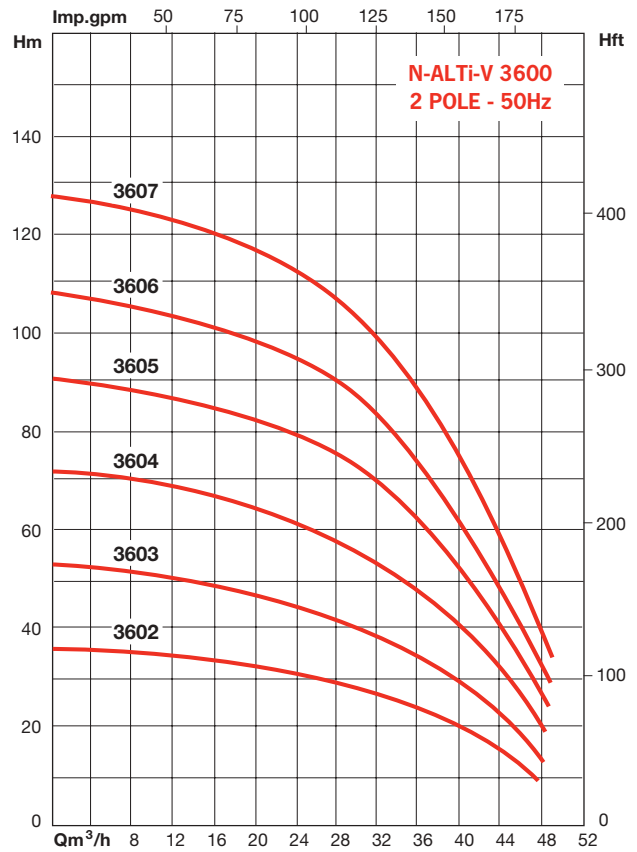
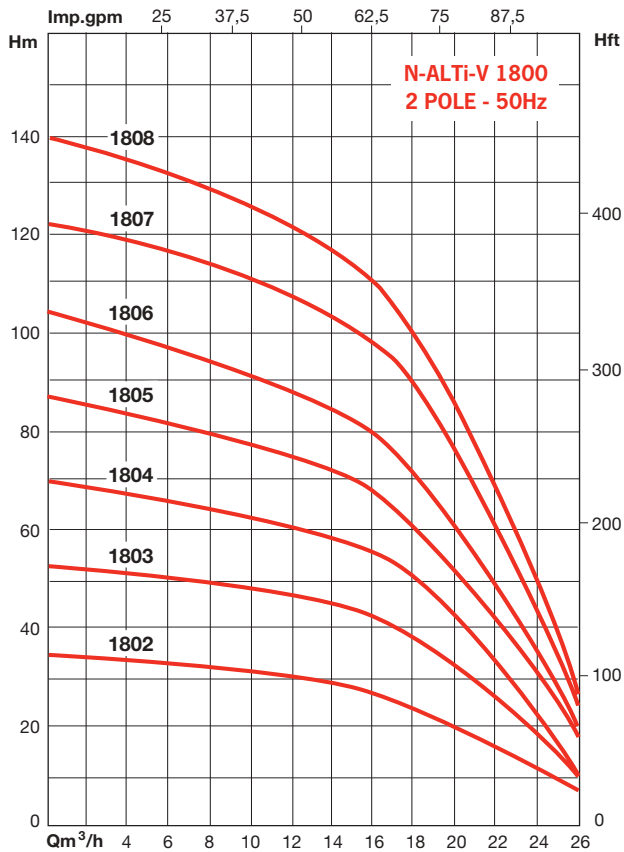
## HYDRAULIC PERFORMANCES - N-ALTi-V - 2900 RPM - 200 AND 400 SERIES



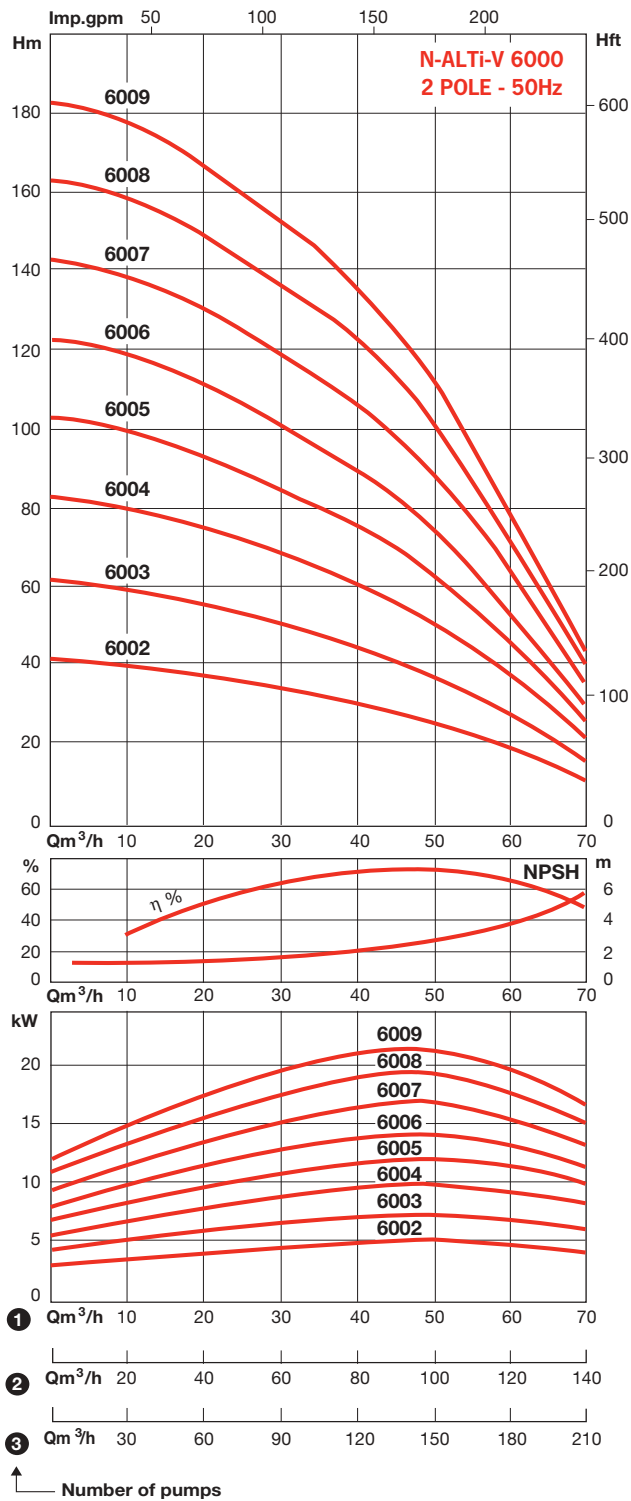
## HYDRAULIC PERFORMANCES - N-ALTi-V - 2900 RPM - 800 AND 1600 SERIES



## HYDRAULIC PERFORMANCES - N-ALTi-V - 2900 RPM - 1800 AND 3600 SERIES

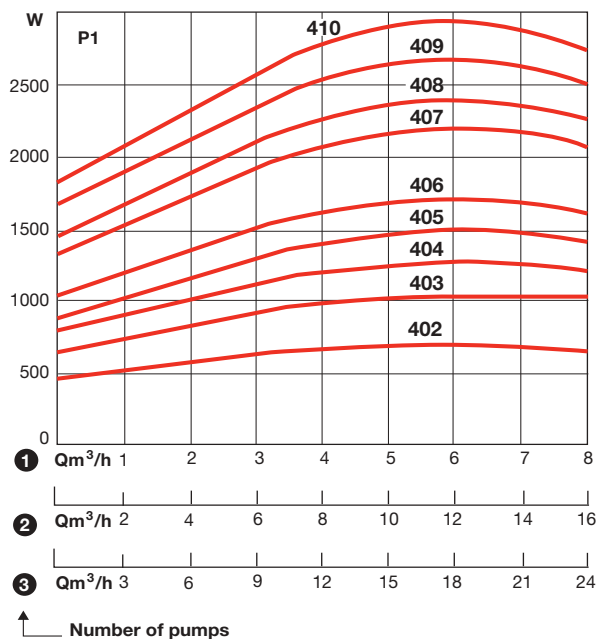
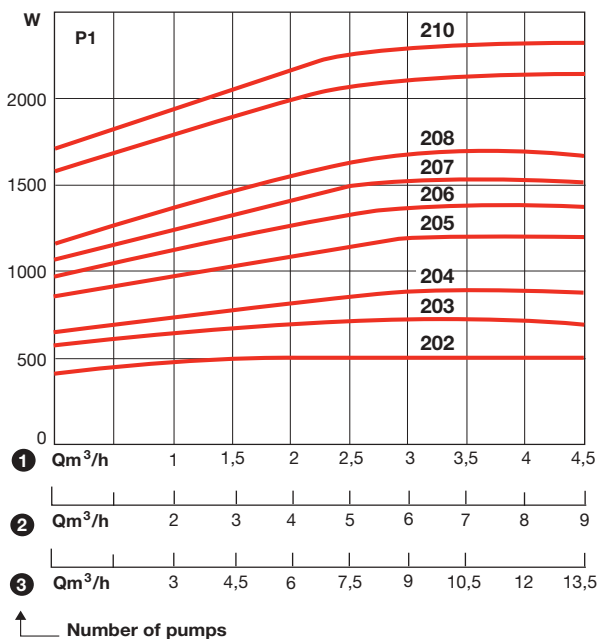
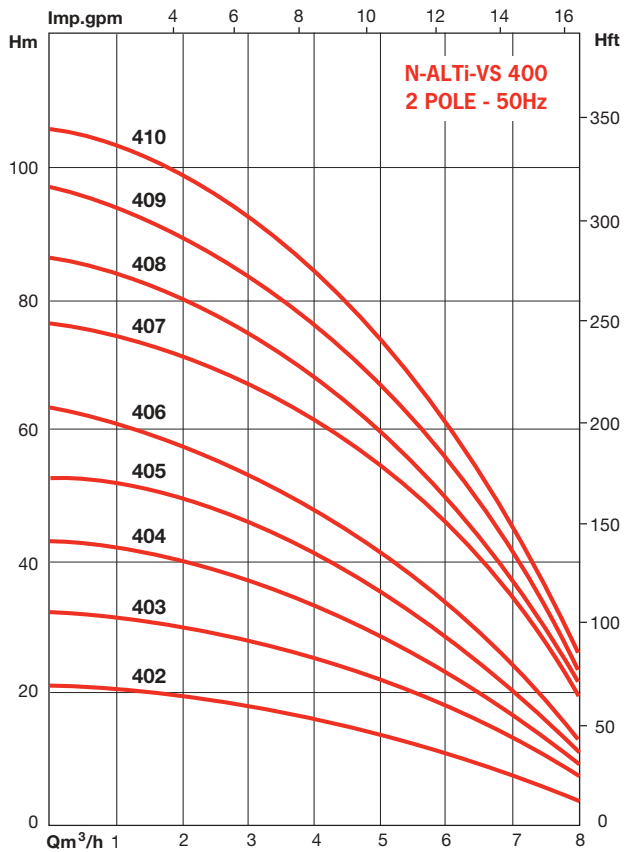
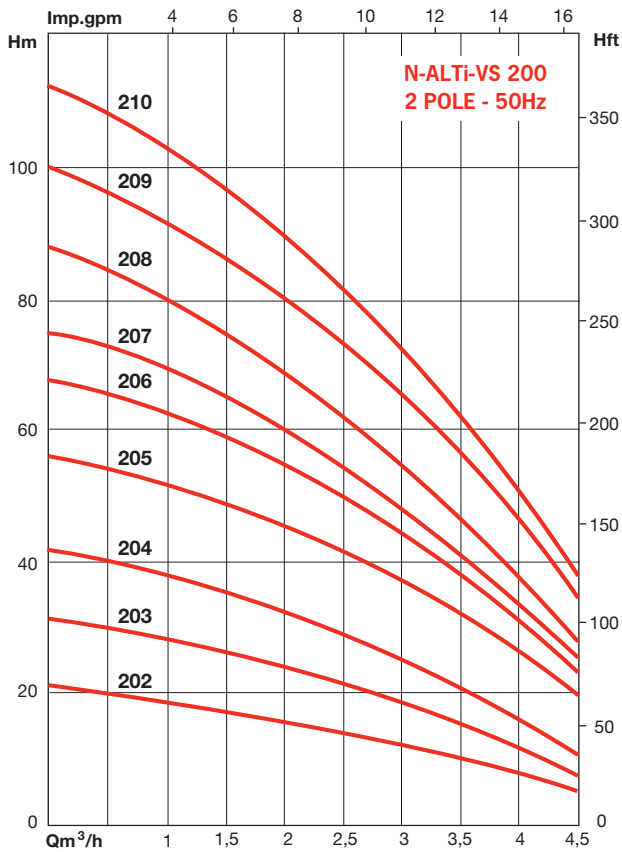


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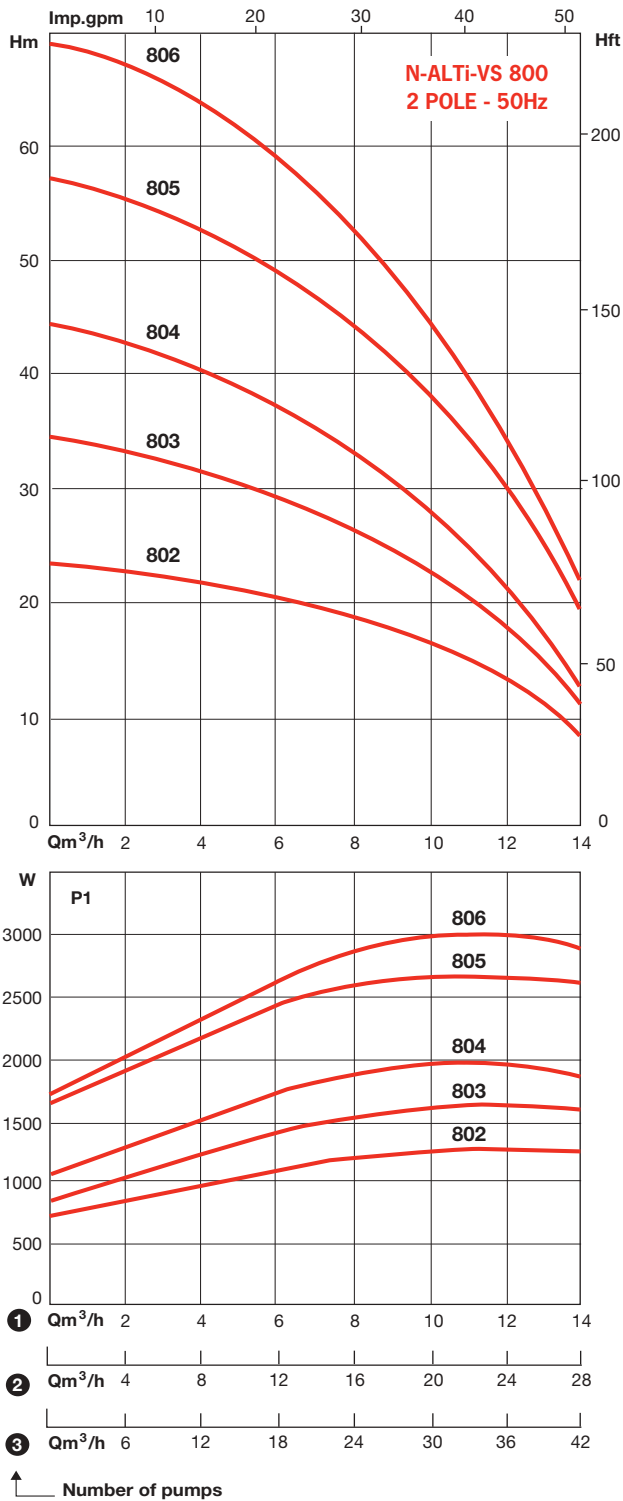


# HYDROPLUS

## HYDRAULIC PERFORMANCES - N-ALTi-VS - 2900 RPM - 200 AND 400 SERIES

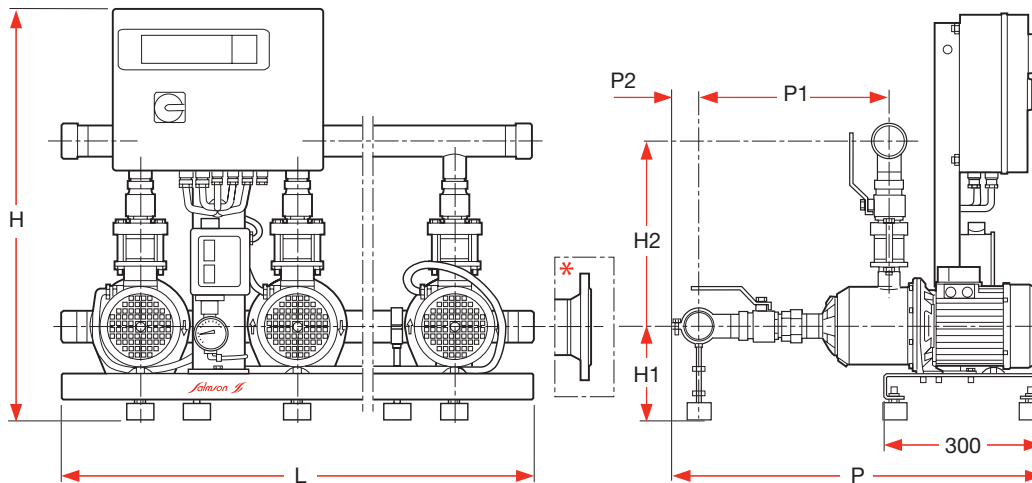


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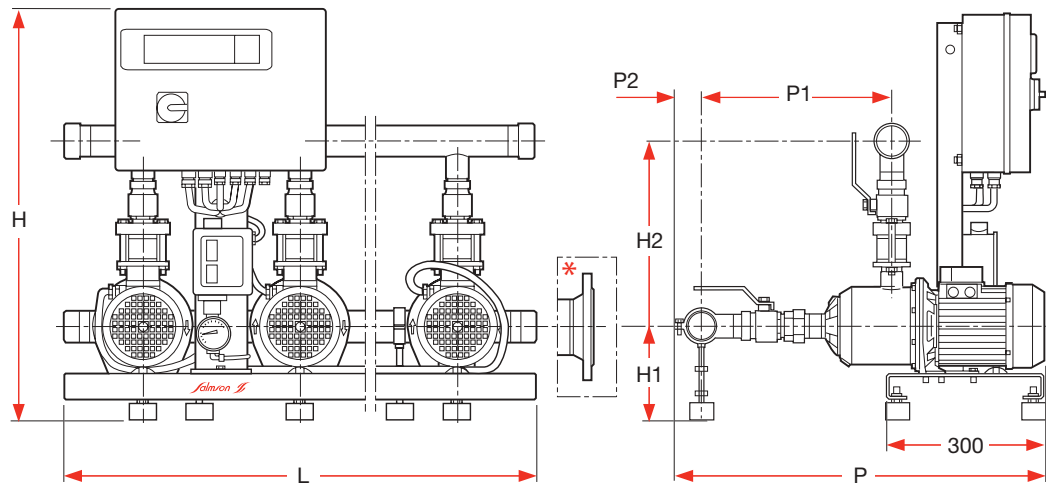
# HYDROPLUS

## DIMENSIONS - N-ALTi-H SERIE - CE VERSION



TYPE	Ø Manifolds	H mm	L mm	P mm	H1 mm	H2 mm	P1 mm	P2 mm
<b>2 PUMPS</b>								
N-ALTi-H203-2-CE-V or B-10-T4	2"	773	600	656	188	344	296	55
N-ALTi-H204-2-CE-V or B-10-T4	2"	773	600	704	188	344	344	55
N-ALTi-H205-2-CE-V or B-10-T4	2"	773	600	704	188	344	344	55
N-ALTi-H206-2-CE-V or B-10-T4	2"	773	600	728	188	344	368	55
N-ALTi-H403-2-CE-V or B-10-T4	2"	773	600	670	188	344	310	55
N-ALTi-H404-2-CE-V or B-10-T4	2"	773	600	718	188	344	358	55
N-ALTi-H405-2-CE-V or B-10-T4	2"	773	600	718	188	344	358	55
N-ALTi-H406-2-CE-V or B-10-T4	2"	773	600	742	188	344	382	55
N-ALTi-H803-2-CE-V or B-10-T4	2"½	773	600	713	188	352	345	63
N-ALTi-H804-2-CE-V or B-10-T4	2"½	773	600	773	188	352	405	63
N-ALTi-H805-2-CE-V or B-10-T4	2"½	773	600	773	188	352	405	63
N-ALTi-H1602-2-CE-V or B-10-T4	3"	773	600	760	188	392	383	72
N-ALTi-H1603-2-CE-V or B-10-T4	3"	773	600	760	188	392	383	72
N-ALTi-H1604-2-CE-V or B-10-T4	3"	773	600	833	198	392	428	72
<b>3 PUMPS</b>								
N-ALTi-H203-3-CE-V or B-10-T4	2"	773	900	656	188	344	296	55
N-ALTi-H204-3-CE-V or B-10-T4	2"	773	900	704	188	344	344	55
N-ALTi-H205-3-CE-V or B-10-T4	2"	773	900	704	188	344	344	55
N-ALTi-H206-3-CE-V or B-10-T4	2"	773	900	728	188	344	368	55
N-ALTi-H403-3-CE-V or B-10-T4	2"	773	900	670	188	344	310	55
N-ALTi-H404-3-CE-V or B-10-T4	2"	773	900	718	188	344	358	55
N-ALTi-H405-3-CE-V or B-10-T4	2"	773	900	718	188	344	358	55
N-ALTi-H406-3-CE-V or B-10-T4	2"	773	900	742	188	344	382	55
N-ALTi-H803-3-CE-V or B-10-T4	2"½	773	900	712	188	352	345	63
N-ALTi-H804-3-CE-V or B-10-T4	2"½	773	900	773	188	352	405	63
N-ALTi-H805-3-CE-V or B-10-T4	2"½	773	900	773	188	352	405	63
N-ALTi-H1602-3-CE-V or B-10-T4	ND100*	773	900	813	188	407	398	110
N-ALTi-H1603-3-CE-V or B-10-T4	ND100*	773	900	813	188	407	398	110
N-ALTi-H1604-3-CE-V or B-10-T4	ND100*	773	900	886	198	407	443	110

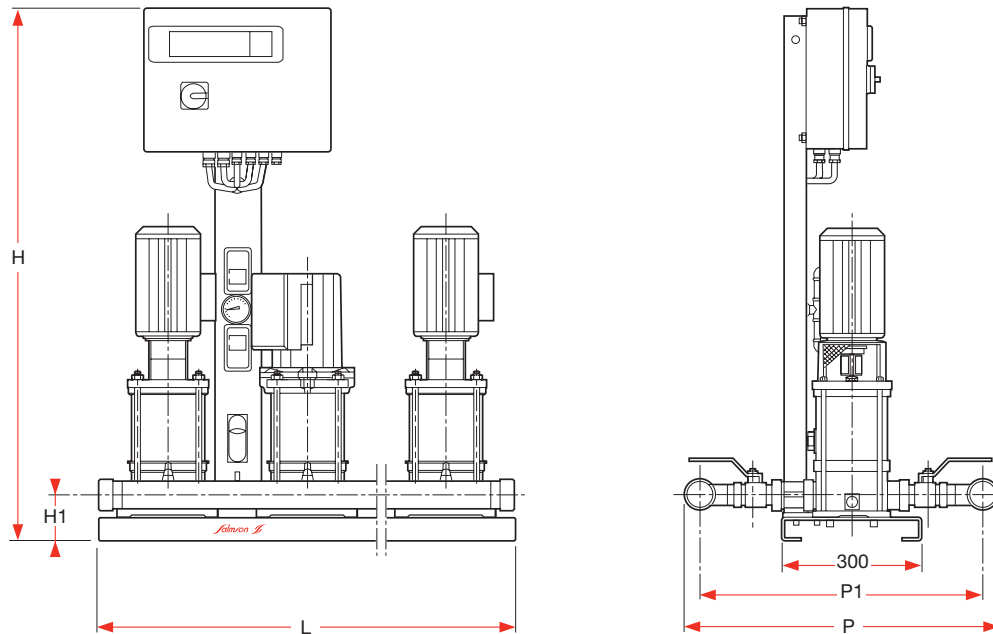
## DIMENSIONS - N-ALTi-H SERIE - CA VERSION



TYPE	Ø Manifolds	H mm	L mm	P mm	H1 mm	H2 mm	P1 mm	P2 mm
<b>2 PUMPS</b>								
N-ALTi-H203-2-CA-V or B-10-T4	2"	773	600	759	188	344	310	55
N-ALTi-H204-2-CA-V or B-10-T4	2"	773	600	807	188	344	358	55
N-ALTi-H205-2-CA-V or B-10-T4	2"	773	600	807	188	344	358	55
N-ALTi-H206-2-CA-V or B-10-T4	2"	773	600	831	188	344	382	55
N-ALTi-H403-2-CA-V or B-10-T4	2"	773	600	773	188	344	310	55
N-ALTi-H404-2-CA-V or B-10-T4	2"	773	600	821	188	344	358	55
N-ALTi-H405-2-CA-V or B-10-T4	2"	773	600	821	188	344	358	55
N-ALTi-H406-2-CA-V or B-10-T4	2"	773	600	845	188	344	382	55
N-ALTi-H803-2-CA-V or B-10-T4	2"½	773	600	813	188	352	345	63
N-ALTi-H804-2-CA-V or B-10-T4	2"½	773	600	876	188	352	405	63
N-ALTi-H805-2-CA-V or B-10-T4	2"½	773	600	876	188	352	405	63
N-ALTi-H1602-2-CA-V or B-10-T4	3"	773	600	863	188	392	372	72
N-ALTi-H1603-2-CA-V or B-10-T4	3"	773	600	863	188	392	372	72
N-ALTi-H1604-2-CA-V or B-10-T4	3"	773	600	908	198	392	372	72
<b>3 PUMPS</b>								
N-ALTi-H203-3-CA-V or B-10-T4	2"	773	900	759	188	344	310	55
N-ALTi-H204-3-CA-V or B-10-T4	2"	773	900	807	188	344	358	55
N-ALTi-H205-3-CA-V or B-10-T4	2"	773	900	807	188	344	358	55
N-ALTi-H206-3-CA-V or B-10-T4	2"	773	900	831	188	344	382	55
N-ALTi-H403-3-CA-V or B-10-T4	2"	773	900	773	188	344	310	55
N-ALTi-H404-3-CA-V or B-10-T4	2"	773	900	821	188	344	358	55
N-ALTi-H405-3-CA-V or B-10-T4	2"	773	900	821	188	344	358	55
N-ALTi-H406-3-CA-V or B-10-T4	2"	773	900	845	188	344	382	55
N-ALTi-H803-3-CA-V or B-10-T4	2"½	773	900	813	188	352	345	63
N-ALTi-H804-3-CA-V or B-10-T4	2"½	773	900	876	188	352	405	63
N-ALTi-H805-3-CA-V or B-10-T4	2"½	773	900	876	188	352	405	63
N-ALTi-H1602-3-CA-V or B-10-T4	ND100*	773	900	916	188	392	372	100
N-ALTi-H1603-3-CA-V or B-10-T4	ND100*	773	900	916	188	392	372	100
N-ALTi-H1604-3-CA-V or B-10-T4	ND100*	773	900	961	198	392	472	100

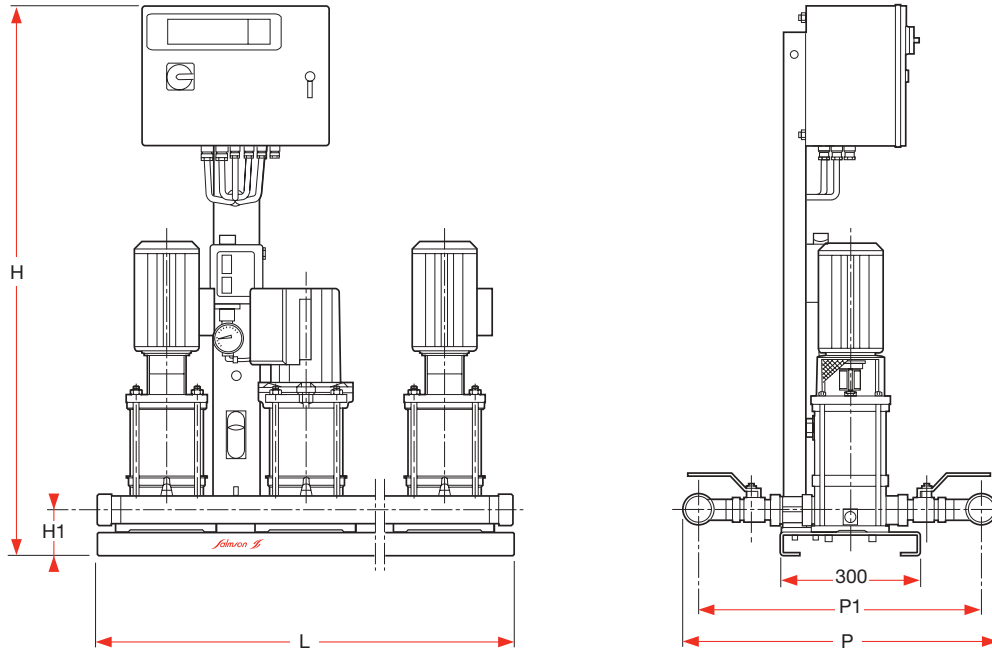
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## DIMENSIONS - N-ALTi-V OR VS SERIE - CE VERSION



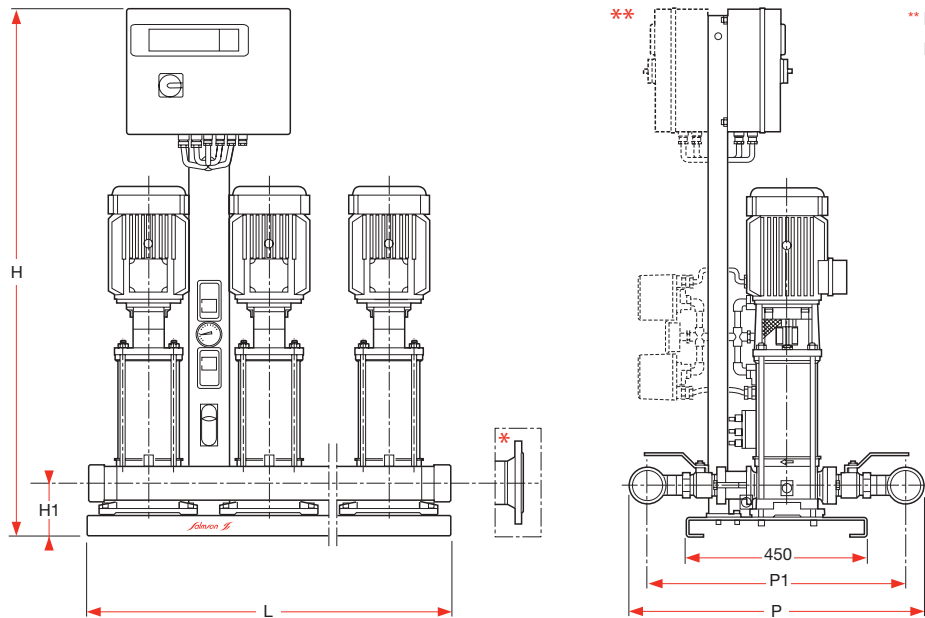
TYPE	Ø Manifolds	H mm	L mm	P mm	H1 mm	P1 mm
<b>2 PUMPS</b>						
N-ALTi-V or VS 203-2-CE-V or B-16-T4	2"	1150	600	610	100	550
N-ALTi-V or VS 204-2-CE-V or B-16-T4	2"	1150	600	610	100	550
N-ALTi-V or VS 205-2-CE-V or B-16-T4	2"	1150	600	610	100	550
N-ALTi-V or VS 206-2-CE-V or B-16-T4	2"	1150	600	610	100	550
N-ALTi-V or VS 207-2-CE-V or B-16-T4	2"	1150	600	610	100	550
N-ALTi-V or VS 208-2-CE-V or B-16-T4	2"	1320	600	610	100	550
N-ALTi-VS 209-2-CE-V or B-16-T4	2"	1320	600	610	100	550
N-ALTi-V 210-2-CE-V or B-16-T4	2"	1320	600	610	100	550
N-ALTi-V 212-2-CE-V or B-16-T4	2"	1320	600	610	100	550
N-ALTi-V or VS 403-2-CE-V or B-16-T4	2"	1150	600	610	100	550
N-ALTi-V or VS 404-2-CE-V or B-16-T4	2"	1150	600	610	100	550
N-ALTi-V or VS 405-2-CE-V or B-16-T4	2"	1150	600	610	100	550
N-ALTi-V or VS 406-2-CE-V or B-16-T4	2"	1150	600	610	100	550
N-ALTi-V or VS 407-2-CE-V or B-16-T4	2"	1150	600	610	100	550
N-ALTi-V or VS 408-2-CE-V or B-16-T4	2"	1320	600	610	100	550
N-ALTi-V or VS 410-2-CE-V or B-16-T4	2"	1320	600	610	100	550
N-ALTi-V 412-2-CE-V or B-16-T4	2"	1320	600	610	100	550
<b>3 PUMPS</b>						
N-ALTi-V or VS 203-3-CE-V or B-16-T4	2"	1150	900	610	100	550
N-ALTi-V or VS 204-3-CE-V or B-16-T4	2"	1150	900	610	100	550
N-ALTi-V or VS 205-3-CE-V or B-16-T4	2"	1150	900	610	100	550
N-ALTi-V or VS 206-3-CE-V or B-16-T4	2"	1150	900	610	100	550
N-ALTi-V or VS 207-3-CE-V or B-16-T4	2"	1150	900	610	100	550
N-ALTi-V or VS 208-3-CE-V or B-16-T4	2"	1320	900	610	100	550
N-ALTi-VS 209-3-CE-V or B-16-T4	2"	1320	900	610	100	550
N-ALTi-V 210-3-CE-V or B-16-T4	2"	1320	900	610	100	550
N-ALTi-V 212-3-CE-V or B-16-T4	2"	1320	900	610	100	550
N-ALTi-V or VS 403-3-CE-V or B-16-T4	2"	1150	900	610	100	550
N-ALTi-V or VS 404-3-CE-V or B-16-T4	2"	1150	900	610	100	550
N-ALTi-V or VS 405-3-CE-V or B-16-T4	2"	1150	900	610	100	550
N-ALTi-V or VS 406-3-CE-V or B-16-T4	2"	1150	900	610	100	550
N-ALTi-V or VS 407-3-CE-V or B-16-T4	2"	1150	900	610	100	550
N-ALTi-V or VS 408-3-CE-V or B-16-T4	2"	1320	900	610	100	550
N-ALTi-V or VS 410-3-CE-V or B-16-T4	2"	1320	900	610	100	550
N-ALTi-V or VS 412-3-CE-V or B-16-T4	2"	1320	900	610	100	550

## DIMENSIONS - N-ALTi-V OR VS SERIE - CA VERSION



TYPE	Ø Manifolds	H mm	L mm	P mm	H1 mm	P1 mm
<b>2 PUMPS</b>						
N-ALTi-V or VS 203-2-CA-V or B-16-T4	2"	1150	600	610	100	550
N-ALTi-V or VS 204-2-CA-V or B-16-T4	2"	1150	600	610	100	550
N-ALTi-V or VS 205-2-CA-V or B-16-T4	2"	1150	600	610	100	550
N-ALTi-V or VS 206-2-CA-V or B-16-T4	2"	1150	600	610	100	550
N-ALTi-V or VS 207-2-CA-V or B-16-T4	2"	1150	600	610	100	550
N-ALTi-V or VS 208-2-CA-V or B-16-T4	2"	1320	600	610	100	550
N-ALTi-VS 209-2-CA-V or B-16-T4	2"	1320	600	610	100	550
N-ALTi-V 210-2-CA-V or B-16-T4	2"	1320	600	610	100	550
N-ALTi-V 212-2-CA-V or B-16-T4	2"	1320	600	610	100	550
N-ALTi-V or VS 403-2-CA-V or B-16-T4	2"	1150	600	610	100	550
N-ALTi-V or VS 404-2-CA-V or B-16-T4	2"	1150	600	610	100	550
N-ALTi-V or VS 405-2-CA-V or B-16-T4	2"	1150	600	610	100	550
N-ALTi-V or VS 406-2-CA-V or B-16-T4	2"	1150	600	610	100	550
N-ALTi-V or VS 407-2-CA-V or B-16-T4	2"	1150	600	610	100	550
N-ALTi-V or VS 408-2-CA-V or B-16-T4	2"	1320	600	610	100	550
N-ALTi-V or VS 410-2-CA-V or B-16-T4	2"	1320	600	610	100	550
N-ALTi-V 412-2-CA-V or B-16-T4	2"	1320	600	610	100	550
<b>3 PUMPS</b>						
N-ALTi-V or VS 203-3-CA-V or B-16-T4	2"	1150	900	610	100	550
N-ALTi-V or VS 204-3-CA-V or B-16-T4	2"	1150	900	610	100	550
N-ALTi-V or VS 205-3-CA-V or B-16-T4	2"	1150	900	610	100	550
N-ALTi-V or VS 206-3-CA-V or B-16-T4	2"	1150	900	610	100	550
N-ALTi-V or VS 207-3-CA-V or B-16-T4	2"	1150	900	610	100	550
N-ALTi-V or VS 208-3-CA-V or B-16-T4	2"	1320	900	610	100	550
N-ALTi-VS 209-3-CA-V or B-16-T4	2"	1320	900	610	100	550
N-ALTi-V 210-3-CA-V or B-16-T4	2"	1320	900	610	100	550
N-ALTi-V 212-3-CA-V or B-16-T4	2"	1320	900	610	100	550
N-ALTi-V or VS 403-3-CA-V or B-16-T4	2"	1150	900	610	100	550
N-ALTi-V or VS 404-3-CA-V or B-16-T4	2"	1150	900	610	100	550
N-ALTi-V or VS 405-3-CA-V or B-16-T4	2"	1150	900	610	100	550
N-ALTi-V or VS 406-3-CA-V or B-16-T4	2"	1150	900	610	100	550
N-ALTi-V or VS 407-3-CA-V or B-16-T4	2"	1150	900	610	100	550
N-ALTi-V or VS 408-3-CA-V or B-16-T4	2"	1320	900	610	100	550
N-ALTi-V or VS 410-3-CA-V or B-16-T4	2"	1320	900	610	100	550
N-ALTi-V or VS 412-3-CA-V or B-16-T4	2"	1320	900	610	100	550

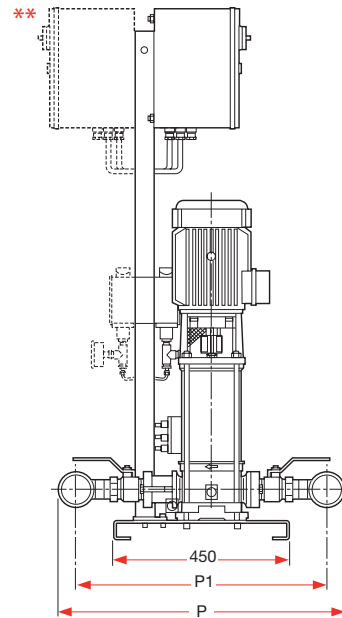
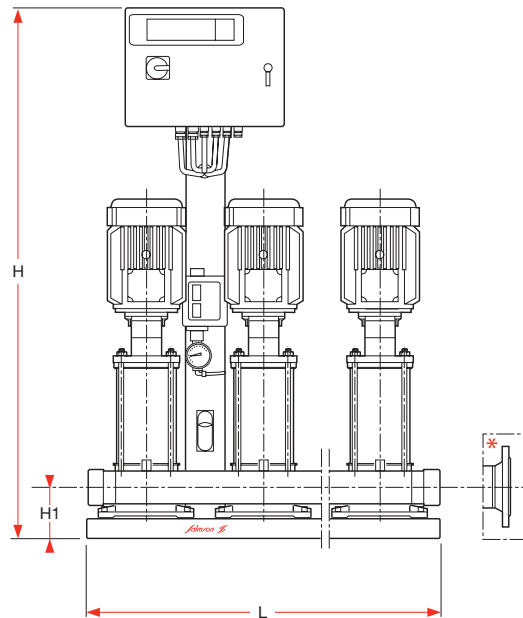
## DIMENSIONS - N-ALTi-V OR VS SERIE - CE VERSION



\*\* For these boosters, the unit is positioned on the discharge side (rotating of bracket by 180°).

TYPE	Ø Manifolds	H mm	L mm	P mm	H1 mm	P1 mm
<b>2 PUMPS</b>						
N-ALTi-VS 802-2-CE-V or B-16-T4	2"1/2	1150	600	717	130	640
N-ALTi-V or VS 803-2-CE-V or B-16-T4	2"1/2	1150	600	717	130	640
N-ALTi-V or VS 804-2-CE-V or B-16-T4	2"1/2	1150	600	717	130	640
N-ALTi-V or VS 805-2-CE-V or B-16-T4	2"1/2	1320	600	717	130	640
N-ALTi-V or VS 806-2-CE-V or B-16-T4	2"1/2	1320	600	717	130	640
N-ALTi-V 807-2-CE-V or B-16-T4	2"1/2	1320	600	717	130	640
N-ALTi-V 808-2-CE-V or B-16-T4	2"1/2	1320	600	717	130	640
N-ALTi-V 810-2-CE-V or B-16-T4	2"1/2	1450	600	717	130	640
N-ALTi-V 811-2-CE-V or B-16-T4	2"1/2	1450	600	717	130	640
N-ALTi-V 812-2-CE-V or B-16-T4	2"1/2	1450	600	717	130	640
N-ALTi-V 1603-2-CE-V or B-16-T4	3"	1320	600	745	140	656
N-ALTi-V 1604-2-CE-V or B-16-T4	3"	1320	600	745	140	656
N-ALTi-V 1605-2-CE-V or B-16-T4	3"	1320	600	745	140	656
N-ALTi-V 1606-2-CE-V or B-16-T4	3"	1320	600	745	140	656
N-ALTi-V 1607-2-CE-V or B-16-T4	3"	1450	600	745	140	656
N-ALTi-V 1608-2-CE-V or B-16-T4	3"	1450	600	745	140	656
N-ALTi-V 1609-2-CE-V or B-16-T4	3"	1150**	600	745	140	656
N-ALTi-V 1610-2-CE-V or B-16-T4	3"	1150**	600	745	140	656
N-ALTi-V 1611-2-CE-V or B-16-T4	3"	1223**	600	745	140	656
<b>3 PUMPS</b>						
N-ALTi-VS 802-3-CE-V or B-16-T4	2"1/2	1150	900	717	130	640
N-ALTi-V or VS 803-3-CE-V or B-16-T4	2"1/2	1150	900	717	130	640
N-ALTi-V or VS 804-3-CE-V or B-16-T4	2"1/2	1150	900	717	130	640
N-ALTi-V or VS 805-3-CE-V or B-16-T4	2"1/2	1320	900	717	130	640
N-ALTi-V or VS 806-3-CE-V or B-16-T4	2"1/2	1320	900	717	130	640
N-ALTi-V 807-3-CE-V or B-16-T4	2"1/2	1320	900	717	130	640
N-ALTi-V 808-3-CE-V or B-16-T4	2"1/2	1320	900	717	130	640
N-ALTi-V 810-3-CE-V or B-16-T4	2"1/2	1450	900	717	130	640
N-ALTi-V 811-3-CE-V or B-16-T4	2"1/2	1450	900	717	130	640
N-ALTi-V 812-3-CE-V or B-16-T4	2"1/2	1450	900	717	130	640
N-ALTi-V 1603-3-CE-V or B-16-T4	ND100*	1320	900	906	140	686
N-ALTi-V 1604-3-CE-V or B-16-T4	ND100*	1320	900	906	140	686
N-ALTi-V 1605-3-CE-V or B-16-T4	ND100*	1320	900	906	140	686
N-ALTi-V 1606-3-CE-V or B-16-T4	ND100*	1320	900	906	140	686
N-ALTi-V 1607-3-CE-V or B-16-T4	ND100*	1450	900	906	140	686
N-ALTi-V 1608-3-CE-V or B-16-T4	ND100*	1450	900	906	140	686
N-ALTi-V 1609-3-CE-V or B-16-T4	ND100*	1150**	900	906	140	686
N-ALTi-V 1610-3-CE-V or B-16-T4	ND100*	1150**	900	906	140	686
N-ALTi-V 1611-3-CE-V or B-16-T4	ND100*	1223**	900	906	140	686

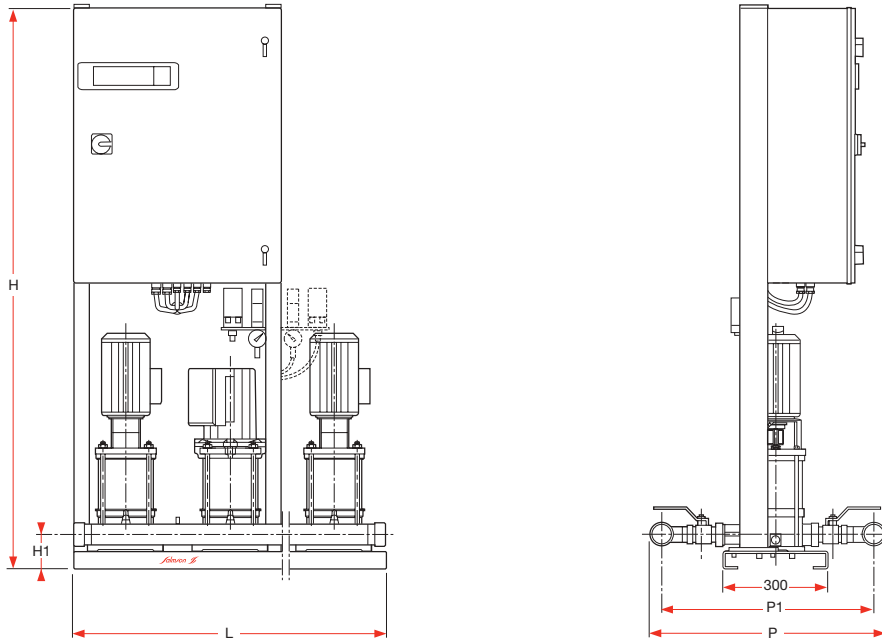
## DIMENSIONS - N-ALTi-V OR VS SERIE - CA VERSION



\*\* For these boosters, the unit is positioned on the discharge side (rotating of bracket by 180°).

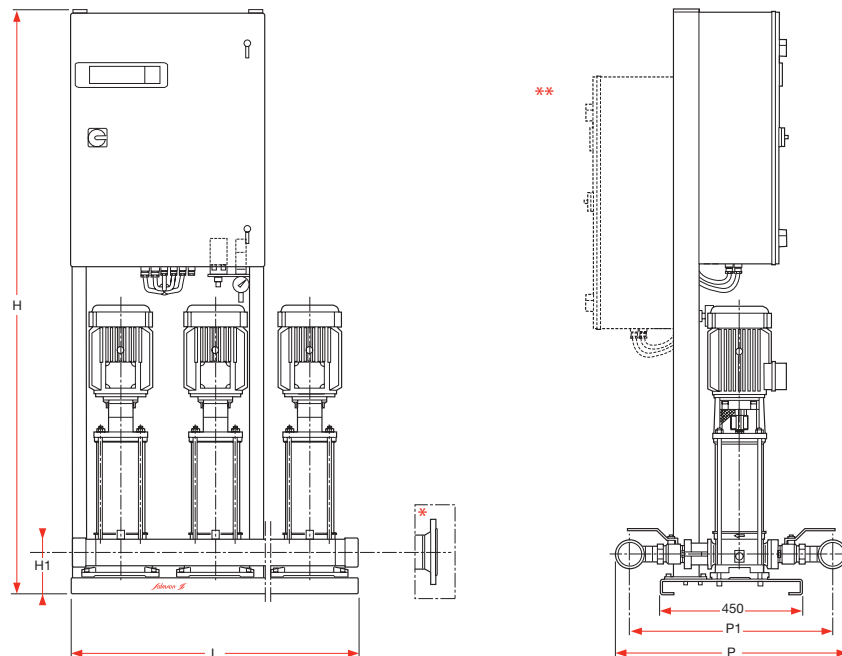
TYPE	Ø Manifolds	H mm	L mm	P mm	H1 mm	P1 mm
<b>2 PUMPS</b>						
N-ALTi-VS 802-2-CA-V or B-16-T4	2"1/2	1150	600	717	130	640
N-ALTi-V or VS 803-2-CA-V or B-16-T4	2"1/2	1150	600	717	130	640
N-ALTi-V or VS 804-2-CA-V or B-16-T4	2"1/2	1150	600	717	130	640
N-ALTi-V or VS 805-2-CA-V or B-16-T4	2"1/2	1320	600	717	130	640
N-ALTi-V or VS 806-2-CA-V or B-16-T4	2"1/2	1320	600	717	130	640
N-ALTi-V 807-2-CA-V or B-16-T4	2"1/2	1320	600	717	130	640
N-ALTi-V 808-2-CA-V or B-16-T4	2"1/2	1320	600	717	130	640
N-ALTi-V 810-2-CA-V or B-16-T4	2"1/2	1470	600	717	130	640
N-ALTi-V 811-2-CA-V or B-16-T4	2"1/2	1470	600	717	130	640
N-ALTi-V 812-2-CA-V or B-16-T4	2"1/2	1470	600	717	130	640
N-ALTi-V 1603-2-CA-V or B-16-T4	3"	1320	600	745	140	656
N-ALTi-V 1604-2-CA-V or B-16-T4	3"	1320	600	745	140	656
N-ALTi-V 1605-2-CA-V or B-16-T4	3"	1320	600	745	140	656
N-ALTi-V 1606-2-CA-V or B-16-T4	3"	1320	600	745	140	656
N-ALTi-V 1607-2-CA-V or B-16-T4	3"	1470	600	745	140	656
N-ALTi-V 1608-2-CA-V or B-16-T4	3"	1470	600	745	140	656
N-ALTi-V 1609-2-CA-V or B-16-T4	3"	1150**	600	745	140	656
N-ALTi-V 1610-2-CA-V or B-16-T4	3"	1150**	600	745	140	656
N-ALTi-V 1611-2-CA-V or B-16-T4	3"	1223**	600	745	140	656
<b>3 PUMPS</b>						
N-ALTi-VS 802-3-CA-V or B-16-T4	2"1/2	1150	900	717	130	640
N-ALTi-V or VS 803-3-CA-V or B-16-T4	2"1/2	1150	900	717	130	640
N-ALTi-V or VS 804-3-CA-V or B-16-T4	2"1/2	1150	900	717	130	640
N-ALTi-V or VS 805-3-CA-V or B-16-T4	2"1/2	1320	900	717	130	640
N-ALTi-V or VS 806-3-CA-V or B-16-T4	2"1/2	1320	900	717	130	640
N-ALTi-V 807-3-CA-V or B-16-T4	2"1/2	1320	900	717	130	640
N-ALTi-V 808-3-CA-V or B-16-T4	2"1/2	1320	900	717	130	640
N-ALTi-V 810-3-CA-V or B-16-T4	2"1/2	1470	900	717	130	640
N-ALTi-V 811-3-CA-V or B-16-T4	2"1/2	1470	900	717	130	640
N-ALTi-V 812-3-CA-V or B-16-T4	2"1/2	1470	900	717	130	640
N-ALTi-V 1603-3-CA-V or B-16-T4	ND100*	1320	900	906	140	686
N-ALTi-V 1604-3-CA-V or B-16-T4	ND100*	1320	900	906	140	686
N-ALTi-V 1605-3-CA-V or B-16-T4	ND100*	1320	900	906	140	686
N-ALTi-V 1606-3-CA-V or B-16-T4	ND100*	1320	900	906	140	686
N-ALTi-V 1607-3-CA-V or B-16-T4	ND100*	1470	900	906	140	686
N-ALTi-V 1608-3-CA-V or B-16-T4	ND100*	1470	900	906	140	686
N-ALTi-V 1609-3-CA-V or B-16-T4	ND100*	1470	900	906	140	686
N-ALTi-V 1610-3-CA-V or B-16-T4	ND100*	1150**	900	906	140	686
N-ALTi-V 1611-3-CA-V or B-16-T4	ND100*	1223**	900	906	140	686

## DIMENSIONS - N-ALTi-V OR VS SERIE - CV VERSION



TYPE	Ø Manifolds	H mm	L mm	P mm	H1 mm	P1 mm
<b>2 PUMPS</b>						
N-ALTi-V or VS 203-2-CV-V or B-16-T4	2"	1630	600	610	100	550
N-ALTi-V or VS 204-2-CV-V or B-16-T4	2"	1630	600	610	100	550
N-ALTi-V or VS 205-2-CV-V or B-16-T4	2"	1630	600	610	100	550
N-ALTi-V or VS 206-2-CV-V or B-16-T4	2"	1630	600	610	100	550
N-ALTi-V or VS 207-2-CV-V or B-16-T4	2"	1630	600	610	100	550
N-ALTi-V or VS 208-2-CV-V or B-16-T4	2"	1630	600	610	100	550
N-ALTi-VS 209-2-CV-V or B-16-T4	2"	1830	600	610	100	550
N-ALTi-V 210-2-CV-V or B-16-T4	2"	1830	600	610	100	550
N-ALTi-V 212-2-CV-V or B-16-T4	2"	1830	600	610	100	550
N-ALTi-V or VS 403-2-CV-V or B-16-T4	2"	1630	600	610	100	550
N-ALTi-V or VS 404-2-CV-V or B-16-T4	2"	1630	600	610	100	550
N-ALTi-V or VS 405-2-CV-V or B-16-T4	2"	1630	600	610	100	550
N-ALTi-V or VS 406-2-CV-V or B-16-T4	2"	1630	600	610	100	550
N-ALTi-V or VS 407-2-CV-V or B-16-T4	2"	1630	600	610	100	550
N-ALTi-V or VS 408-2-CV-V or B-16-T4	2"	1630	600	610	100	550
N-ALTi-V or VS 410-2-CV-V or B-16-T4	2"	1830	600	610	100	550
N-ALTi-V 412-2-CV-V or B-16-T4	2"	1830	600	610	100	550
<b>3 PUMPS</b>						
N-ALTi-V or VS 203-3-CV-V or B-16-T4	2"	1630	900	610	100	550
N-ALTi-V or VS 204-3-CV-V or B-16-T4	2"	1630	900	610	100	550
N-ALTi-V or VS 205-3-CV-V or B-16-T4	2"	1630	900	610	100	550
N-ALTi-V or VS 206-3-CV-V or B-16-T4	2"	1630	900	610	100	550
N-ALTi-V or VS 207-3-CV-V or B-16-T4	2"	1630	900	610	100	550
N-ALTi-V or VS 208-3-CV-V or B-16-T4	2"	1630	900	610	100	550
N-ALTi-VS 209-3-CV-V or B-16-T4	2"	1830	900	610	100	550
N-ALTi-V 210-3-CV-V or B-16-T4	2"	1830	900	610	100	550
N-ALTi-V 212-3-CV-V or B-16-T4	2"	1830	900	610	100	550
N-ALTi-V or VS 403-3-CV-V or B-16-T4	2"	1630	900	610	100	550
N-ALTi-V or VS 404-3-CV-V or B-16-T4	2"	1630	900	610	100	550
N-ALTi-V or VS 405-3-CV-V or B-16-T4	2"	1630	900	610	100	550
N-ALTi-V or VS 406-3-CV-V or B-16-T4	2"	1630	900	610	100	550
N-ALTi-V or VS 407-3-CV-V or B-16-T4	2"	1630	900	610	100	550
N-ALTi-V or VS 408-3-CV-V or B-16-T4	2"	1630	900	610	100	550
N-ALTi-V or VS 410-3-CV-V or B-16-T4	2"	1830	900	610	100	550
N-ALTi-V 412-3-CV-V or B-16-T4	2"	1830	900	610	100	550

## DIMENSIONS - N-ALTi-V OR VS SERIE - CV VERSION

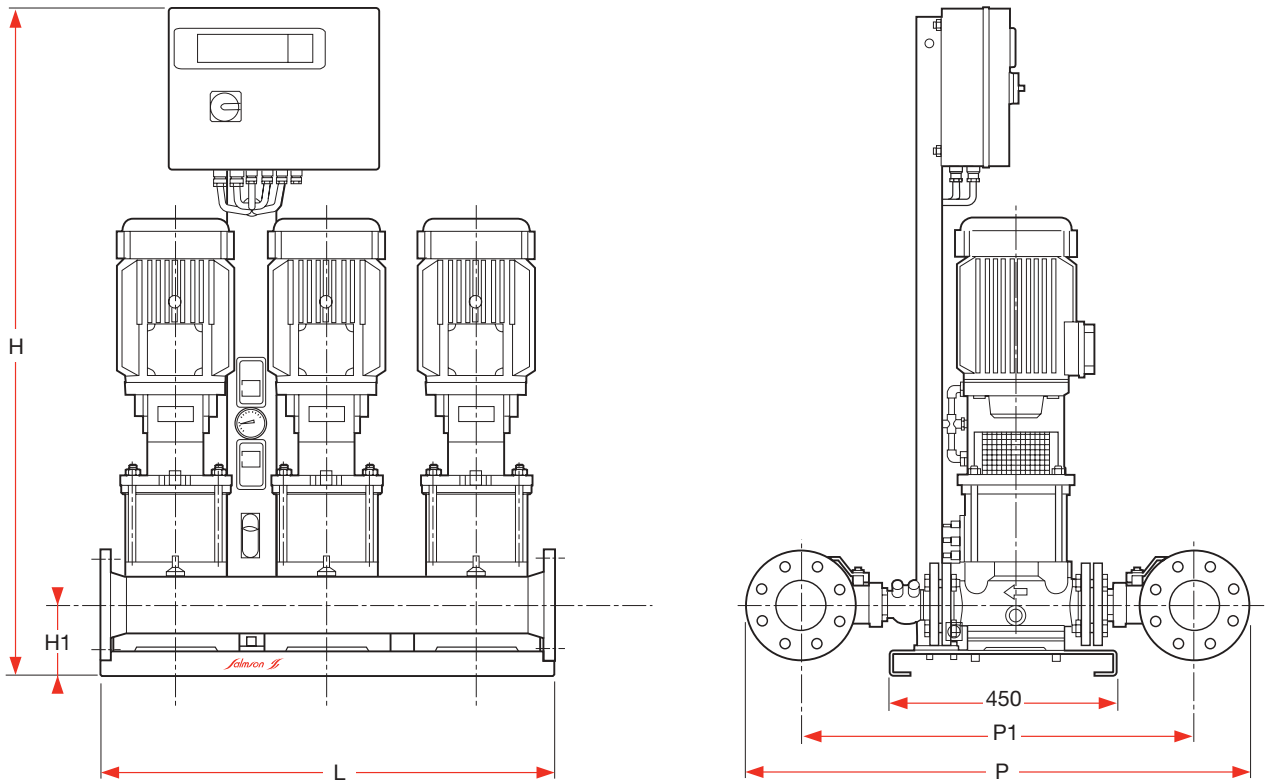


\*\* For these boosters, the unit is positioned on the discharge side (rotating of bracket by 180°).

TYPE	Ø Manifolds	H mm	L mm	P mm	H1 mm	P1 mm
<b>2 PUMPS</b>						
N-ALTi-V or VS 803-2-CV-V or B-16-T4	2" 1/2	1630	600	717	130	640
N-ALTi-V or VS 804-2-CV-V or B-16-T4	2" 1/2	1630	600	717	130	640
N-ALTi-V or VS 805-2-CV-V or B-16-T4	2" 1/2	1630	600	717	130	640
N-ALTi-V or VS 806-2-CV-V or B-16-T4	2" 1/2	1830	600	717	130	640
N-ALTi-V 807-2-CV-V or B-16-T4	2" 1/2	1830	600	717	130	640
N-ALTi-V 808-2-CV-V or B-16-T4	2" 1/2	1830	600	717	130	640
N-ALTi-V 810-2-CV-V or B-16-T4	2" 1/2	1830	600	717	130	640
N-ALTi-V 811-2-CV-V or B-16-T4	2" 1/2	1630**	600	717	130	640
N-ALTi-V 812-2-CV-V or B-16-T4	2" 1/2	1630**	600	717	130	640
N-ALTi-V 1603-2-CV-V or B-16-T4	3"	1630	600	745	140	656
N-ALTi-V 1604-2-CV-V or B-16-T4	3"	1830	600	745	140	656
N-ALTi-V 1605-2-CV-V or B-16-T4	3"	1830	600	745	140	656
N-ALTi-V 1606-2-CV-V or B-16-T4	3"	1830	600	745	140	656
N-ALTi-V 1607-2-CV-V or B-16-T4	3"	1630**	600	745	140	656
N-ALTi-V 1608-2-CV-V or B-16-T4	3"	1630**	600	745	140	656
N-ALTi-V 1609-2-CV-V or B-16-T4	3"	1630**	600	745	140	656
N-ALTi-V 1610-2-CV-V or B-16-T4	3"	1630**	600	745	140	656
N-ALTi-V 1611-2-CV-V or B-16-T4	3"	1630**	600	745	140	656
<b>3 PUMPS</b>						
N-ALTi-V or VS 803-3-CV-V or B-16-T4	2" 1/2	1630	900	717	130	640
N-ALTi-V or VS 804-3-CV-V or B-16-T4	2" 1/2	1630	900	717	130	640
N-ALTi-V or VS 805-3-CV-V or B-16-T4	2" 1/2	1630	900	717	130	640
N-ALTi-V or VS 806-3-CV-V or B-16-T4	2" 1/2	1830	900	717	130	640
N-ALTi-V 807-3-CV-V or B-16-T4	2" 1/2	1830	900	717	130	640
N-ALTi-V 808-3-CV-V or B-16-T4	2" 1/2	1830	900	717	130	640
N-ALTi-V 810-3-CV-V or B-16-T4	2" 1/2	1830	900	717	130	640
N-ALTi-V 811-3-CV-V or B-16-T4	2" 1/2	1630**	900	717	130	640
N-ALTi-V 812-3-CV-V or B-16-T4	2" 1/2	1630**	900	717	130	640
N-ALTi-V 1603-3-CV-V or B-16-T4	ND100*	1630	900	906	140	686
N-ALTi-V 1604-3-CV-V or B-16-T4	ND100*	1830	900	906	140	686
N-ALTi-V 1605-3-CV-V or B-16-T4	ND100*	1830	900	906	140	686
N-ALTi-V 1606-3-CV-V or B-16-T4	ND100*	1830	900	906	140	686
N-ALTi-V 1607-3-CV-V or B-16-T4	ND100*	1630**	900	906	140	686
N-ALTi-V 1608-3-CV-V or B-16-T4	ND100*	1630**	900	906	140	686
N-ALTi-V 1609-3-CV-V or B-16-T4	ND100*	1630**	900	906	140	686
N-ALTi-V 1610-3-CV-V or B-16-T4	ND100*	1630**	900	906	140	686
N-ALTi-V 1611-3-CV-V or B-16-T4	ND100*	1630**	900	906	140	686

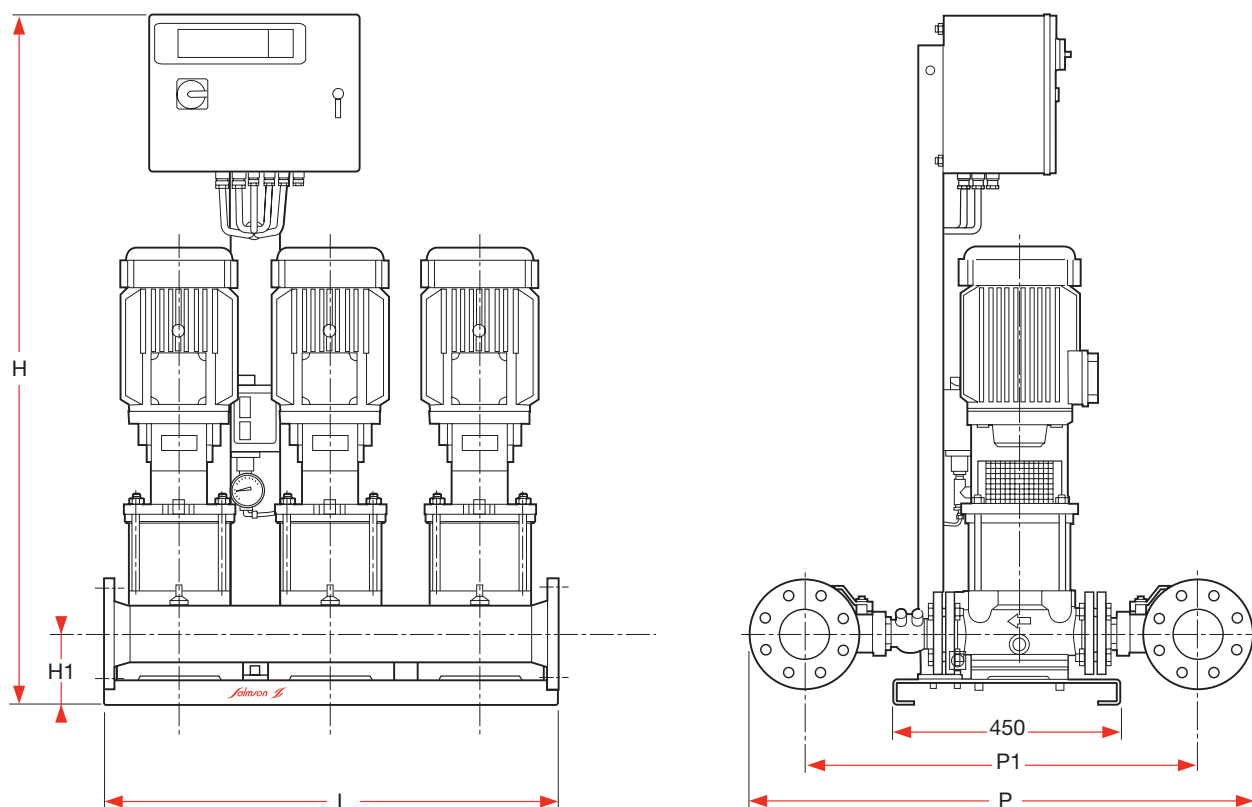
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## DIMENSIONS - N-ALTi-V SERIE - CE VERSION



TYPE	Ø Manifolds	H mm	L mm	P mm	H1 mm	P1 mm
<b>2 PUMPS</b>						
N-ALTi-V 1802-2-CE-V or B-16-T4	3"	1320	600	880	140	790
N-ALTi-V 1803-2-CE-V or B-16-T4	3"	1320	600	880	140	790
N-ALTi-V 1804-2-CE-V or B-16-T4	3"	1320	600	880	140	790
N-ALTi-V 1805-2-CE-V or B-16-T4	3"	1320	600	880	140	790
N-ALTi-V 1806-2-CE-V or B-16-T4	3"	1320	600	880	140	790
<b>3 PUMPS</b>						
N-ALTi-V 1802-3-CE-V or B-16-T4	ND100	1320	900	1020	140	800
N-ALTi-V 1803-3-CE-V or B-16-T4	ND100	1320	900	1020	140	800
N-ALTi-V 1804-3-CE-V or B-16-T4	ND100	1320	900	1020	140	800
N-ALTi-V 1805-3-CE-V or B-16-T4	ND100	1320	900	1020	140	800
N-ALTi-V 1806-3-CE-V or B-16-T4	ND100	1320	900	1020	140	800

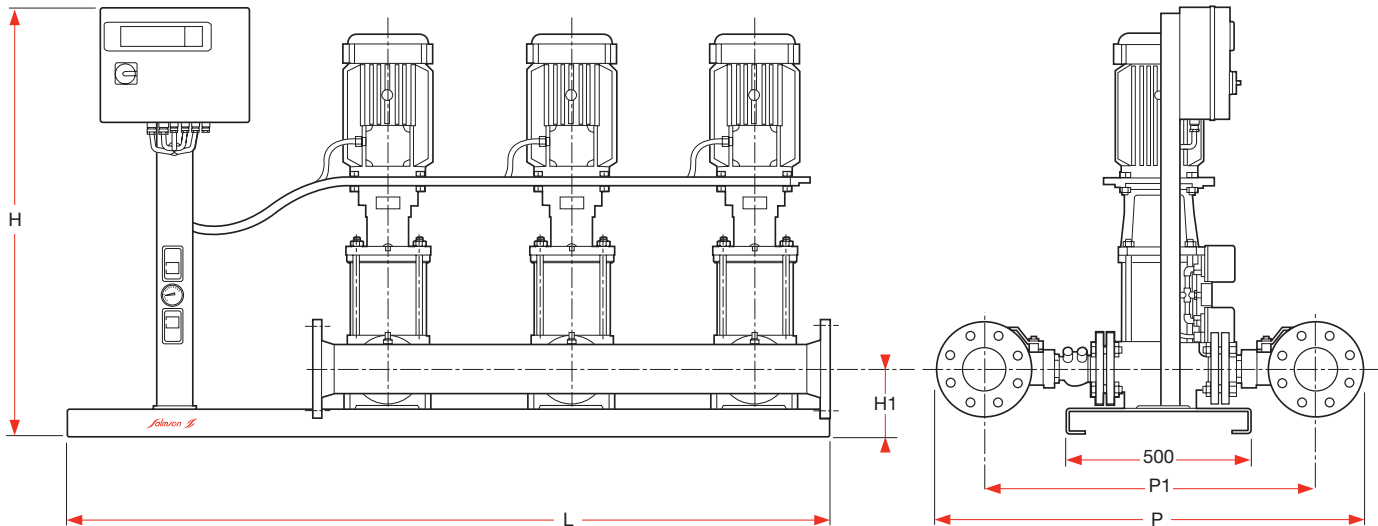
## DIMENSIONS - N-ALTi-V SERIE - CA VERSION



TYPE	Ø Manifolds	H mm	L mm	P mm	H1 mm	P1 mm
<b>2 PUMPS</b>						
N-ALTi-V 1802-2-CA-V or B-16-T4	3"	1320	600	880	140	790
N-ALTi-V 1803-2-CA-V or B-16-T4	3"	1320	600	880	140	790
N-ALTi-V 1804-2-CA-V or B-16-T4	3"	1320	600	880	140	790
N-ALTi-V 1805-2-CA-V or B-16-T4	3"	1320	600	880	140	790
N-ALTi-V 1806-2-CA-V or B-16-T4	3"	1320	600	880	140	790
<b>3 PUMPS</b>						
N-ALTi-V 1802-3-CA-V or B-16-T4	ND100	1320	900	1020	140	800
N-ALTi-V 1803-3-CA-V or B-16-T4	ND100	1320	900	1020	140	800
N-ALTi-V 1804-3-CA-V or B-16-T4	ND100	1320	900	1020	140	800
N-ALTi-V 1805-3-CA-V or B-16-T4	ND100	1320	900	1020	140	800
N-ALTi-V 1806-3-CA-V or B-16-T4	ND100	1320	900	1020	140	800

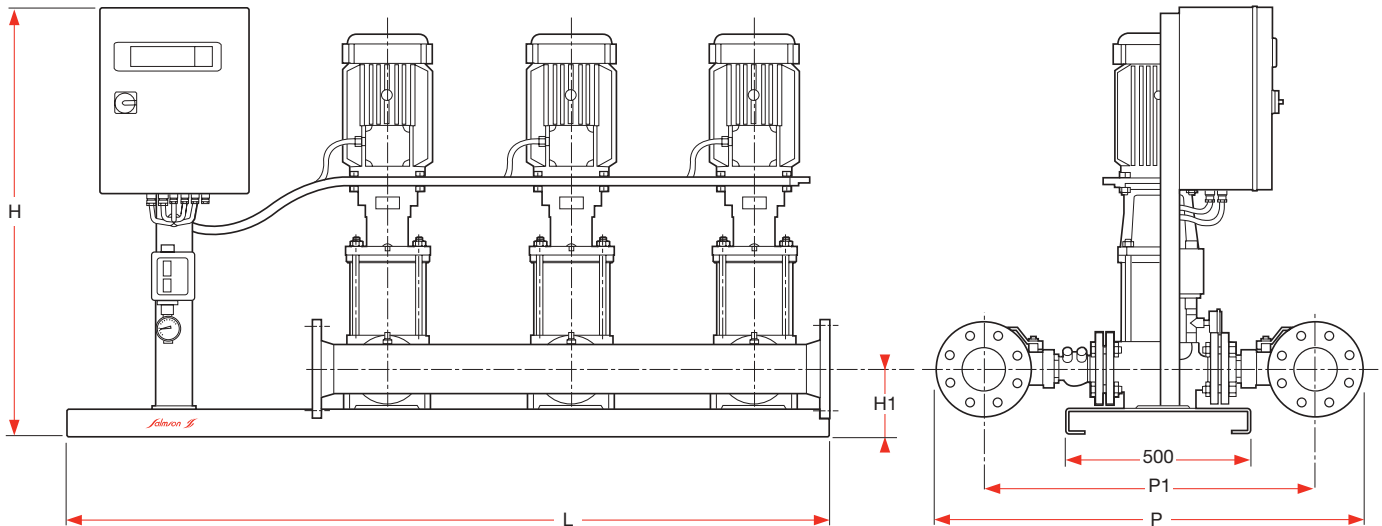
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## DIMENSIONS - N-ALTi-V SERIE - CE VERSION



TYPE	Ø Manifolds	H mm	L mm	P mm	H1 mm	P1 mm
<b>2 PUMPS</b>						
N-ALTi-V 3602-2-CE-V or B-16-T4	ND100	1175	1700	1160	170	940
N-ALTi-V 3603-2-CE-V or B-16-T4	ND100	1175	1700	1160	170	940
N-ALTi-V 3604-2-CE-V or B-16-T4	ND100	1175	1700	1160	170	940
N-ALTi-V 3605-2-CE-V or B-16-T4	ND100	1175	1700	1160	170	940
N-ALTi-V 3606-2-CE-V or B-16-T4	ND100	1175	1700	1160	170	940
N-ALTi-V 6002-2-CE-V or B-16-T4	ND125	1175	1700	1160	170	900
N-ALTi-V 6003-2-CE-V or B-16-T4	ND125	1175	1700	1160	170	900
N-ALTi-V 6004-2-CE-V or B-16-T4	ND125	1175	1700	1160	170	900
N-ALTi-V 6005-2-CE-V or B-16-T4	ND125	1175	1700	1160	170	900
N-ALTi-V 6006-2-CE-V or B-16-T4	ND125	1175	1700	1160	170	900
<b>3 PUMPS</b>						
N-ALTi-V 3602-3-CE-B-16-T4	ND125	1175	2200	1210	170	970
N-ALTi-V 3603-3-CE-B-16-T4	ND125	1175	2200	1210	170	970
N-ALTi-V 3604-3-CE-B-16-T4	ND125	1175	2200	1210	170	970
N-ALTi-V 3605-3-CE-B-16-T4	ND125	1175	2200	1210	170	970
N-ALTi-V 3606-3-CE-B-16-T4	ND125	1175	2200	1210	170	970
N-ALTi-V 6002-3-CE-B-16-T4	ND150	1175	2200	1220	170	930
N-ALTi-V 6003-3-CE-B-16-T4	ND150	1175	2200	1220	170	930
N-ALTi-V 6004-3-CE-B-16-T4	ND150	1175	2200	1220	170	930
N-ALTi-V 6005-3-CE-B-16-T4	ND150	1175	2200	1220	170	930
N-ALTi-V 6006-3-CE-B-16-T4	ND150	1175	2200	1220	170	930

## DIMENSIONS - N-ALTi-V SERIE - CA VERSION



TYPE	Ø Manifolds	H mm	L mm	P mm	H1 mm	P1 mm
<b>2 PUMPS</b>						
N-ALTi-V 3602-2-CA-V or B-16-T4	ND100	1175	1700	1160	170	940
N-ALTi-V 3603-2-CA-V or B-16-T4	ND100	1175	1700	1160	170	940
N-ALTi-V 3604-2-CA-V or B-16-T4	ND100	1175	1700	1160	170	940
N-ALTi-V 3605-2-CA-V or B-16-T4	ND100	1175	1700	1160	170	940
N-ALTi-V 3606-2-CA-V or B-16-T4	ND100	1175	1700	1160	170	940
N-ALTi-V 6002-2-CA-V or B-16-T4	ND125	1175	1700	1160	170	900
N-ALTi-V 6003-2-CA-V or B-16-T4	ND125	1175	1700	1160	170	900
N-ALTi-V 6004-2-CA-V or B-16-T4	ND125	1175	1700	1160	170	900
N-ALTi-V 6005-2-CA-V or B-16-T4	ND125	1175	1700	1160	170	900
N-ALTi-V 6006-2-CA-V or B-16-T4	ND125	1175	1700	1160	170	900
<b>3 PUMPS</b>						
N-ALTi-V 3602-3-CA-V or B-16-T4	ND125	1175	2200	1210	170	970
N-ALTi-V 3603-3-CA-V or B-16-T4	ND125	1175	2200	1210	170	970
N-ALTi-V 3604-3-CA-V or B-16-T4	ND125	1175	2200	1210	170	970
N-ALTi-V 3605-3-CA-V or B-16-T4	ND125	1175	2200	1210	170	970
N-ALTi-V 3606-3-CA-V or B-16-T4	ND125	1175	2200	1210	170	970
N-ALTi-V 6002-3-CA-V or B-16-T4	ND150	1175	2200	1220	170	930
N-ALTi-V 6003-3-CA-V or B-16-T4	ND150	1175	2200	1220	170	930
N-ALTi-V 6004-3-CA-V or B-16-T4	ND150	1175	2200	1220	170	930
N-ALTi-V 6005-3-CA-V or B-16-T4	ND150	1175	2200	1220	170	930
N-ALTi-V 6006-3-CA-V or B-16-T4	ND150	1175	2200	1220	170	930

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## RECOMMENDED ACCESSORIES

- **Direct water supply bypass when the public water system pressure is insufficient.**  
(Accessory reference: BP)
- **Anti-vibration sleeves.**  
(Accessory reference: M)
- **Counter flanges, supplied by 2.**  
(Accessory reference: CB)
- **Isolating valves.**  
(Accessory reference: V)

## FEATURES

### a) Installation

- On smooth floor or a concrete block with attachment by anchor bolts.
- Connection of suction and discharge manifolds, either on right or left as desired.

### b) Packaging

On pallet.